EV charging and Storage Solutions

Towards a new energy landscape

Electric vehicle charging and storage solutions

Catalog 2026

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www.duyarpump.com

Life Is On Schneider Electric

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Contents

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EV charging and Storage Solutions

End-to-end
solutions provider

Industry standards
compliance

Worldwide
customer support

Extensive network of
certified partners

Powering the EV Charging revolution. Leveraging solutions, software and services for a smart and sustainable mobility

We put new energy solution on the map

- SCALABILITY AND RESILIENCY
- EFFICIENCY AND SUSTAINABILITY
- CONNECTIVITY AND INTEROPERABILITY
- CYBERSECURITY

"We provide end-to-end solutions, with deep market expertise and innovative leadership in Storage and EV charging infrastructure that enable you to harness the full potential of EV Charging, driving sustainability and efficiency while positioning your business as a leader in the new energy landscape.

Profit from solutions and services beyond the EV charging infrastructure, where the whole electric mobility ecosystem is connected to provide a cost-efficient and convenient charging experience for homes, buildings, and fleets, minimizing downtime and prioritizing the use of renewable energy for a net-zero future."

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Smart homes, smarter EV charging: Schneider Charge

> "I want a robust end-to-end solution when installing EV charging stations that is compatible with my customer's preferred mobile application."

Deliver your customer an attractive charging station that provides them with simple remote control of their EV charging and optimizes their energy costs without compromising their comfort.

Schneider Charge

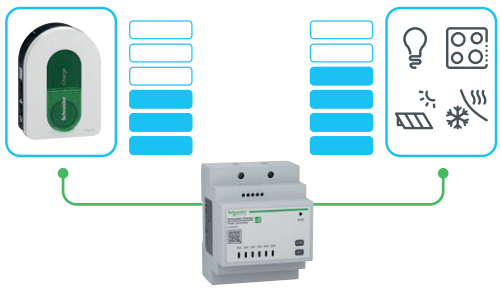
Single family home charging station

Easy installation and wiring:

- Three cabling options
- Wall spacers for uneven walls
- Captive screws and metal black plate with slotted holes
- Connectors for fast and long-time wiring
- Ready for voltage and continuity test

Characteristics:

- T2S socket up to 22 kW, combined 1P/3P
- Up to 7.4 kW 1P or 11 kW 3P, with 5 or 7 m attached cable with T2 connector
- OCPP 1.6J
- Single push-button for configuration
- Signal connectors for iMNx, DSO (Distribution System Operators: remote control enabling the utility to suspend the charge*) and TIC (for France only, function requested to connect Linky meter)



Anti-Tripping Module

Power load management

- Continuously adapts the charging power, taking home consumption and self-generated energy into account (PV, wind, storage...)

Characteristics:

- 1-phase or 3-phase products
- Power Line Communication with pairing: no need for additional cable

*According to Technical Connection Rules VDE-AR-N-4100:2019-04

Commission and control Schneider Charge from the palm of your hand

Connectivity settings via eSetup

- Select or configure the 3rd party charging application (OCPP communication)
- Send information to the owner to let them finalize the connection to their EV charging application

Monitor and control the EV charging station, and much more

- Monitoring, scheduling and cost optimization
- Plus other features depending on the application (grid services…)

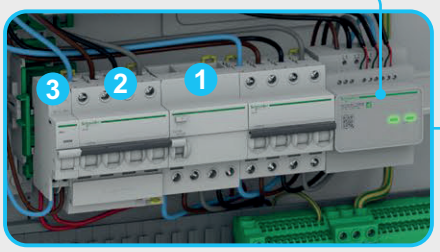
Overview of the Schneider Charge - Single Family Home Solution

Upgrade
the electrical installation

Charge
at home

Select the EV charging application to **optimize** energy costs

Schneider Charge anti-tripping module:
1-phase or 3-phase Peak Controller



Power Line Communication

1. **RCD Type A-SI or type B** to detect AC residual current (30 mA)
2. **MCB** to provide charging station cable overload protection
3. **MNx:** undervoltage release tripping unit (IEC 61851-1 ed.3)

Option: **RCBO** residual current breaker with overcurrent protection

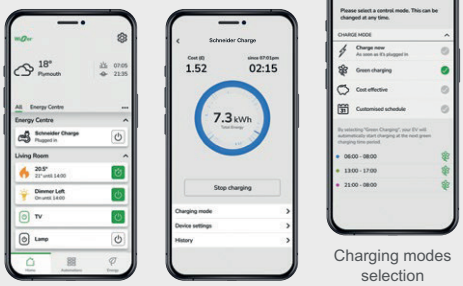
Commission easily with **eSetup**

Domestic network

(WiFi or Ethernet cable)

Schneider Charge

Wiser™ Home Energy Management System

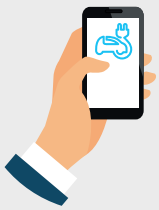


All-in-one app

Energy consumption dashboard

Charging modes selection

Power: from 7.4 to 22 kW



Or 3rd party EV charging applications

Schneider Electric mobile applications

eSetup or Wiser Home* to commission Schneider Charge

- Firmware upgrade
- Electrical parameter settings
- Wi-Fi connection to home router
- EV charging application: Wiser pre-set

Wiser Home to optimize home energy consumption, including the EV charging

- Remote control and scheduling
- Bill optimization based on Time of Use tariff
- Energy consumption and cost history

* According to your country

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Schneider Charge Pro is designed for Fleet at home or residential buildings needs

Fleet at Home

Accelerate corporate car electrification with our open solution, Schneider Charge Pro, a robust EV charger that simplifies home charging reimbursement and minimizes the power supply disruption thanks to anti-tripping module in single family homes.

Schneider Charge Pro

AC charging station with MID meter and native connectivity

Characteristics:

- Combine 1P-3P from 7.4 kW up to 22 kW
- T2S socket or 7 m attached cable with T2 connector
- OCPP 1.6J

Easy installation, wiring and comissioning:

- Three cabling options
- Connectors for fast and long-time wiring
- On-site configuration with eSetup mobile app
- Wi-Fi direct technology for configuration

Customer benefits

For Charge Point Operators:

- Designed for large-scale deployment
- Versatile offer
- Reduced Total Cost of Ownership
- Easy integration into CPO management system
- Certified energy measurement for billing (MID)

For Electrical Contractors:

- Reduced installation time
- Fast to commission
- Robust solution
- Technical support and services from Schneider Electric

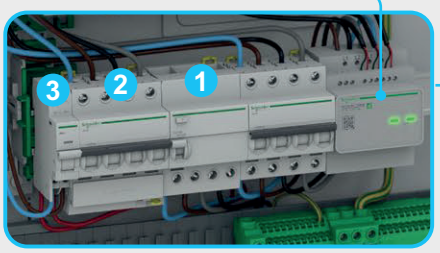
For Employees:

- Charge at home
- Optimized comfort thanks to EV load management
- Attractive design
- Connectable with CPO driver app
- Easy reimbursement of EV charging fees

Overview of EV Charging Solution

Upgrade
electrical installation

Anti-tripping module: 1-phase or 3-phase Peak Controller



1. **RCD Type A-SI or Type B*** to detect AC residual current (30 mA)
2. **MCB** to provide charging station cable overload protection
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Option: **RCBO** residual current breaker with overcurrent protection

Power Line Communication

Charge
corporate EVs at home

Schneider Charge Pro
Power: from 7.4 to 22 kW

OCPP 1.6J

Integrate
to CPO management system

Install base monitoring and individual billing via the CPO Management system

Commission easily with **eSetup**

*In accordance with the electrical installation standard HD 60364-7-722:2016. Refer to local regulation.

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Residential buildings

Accelerate charging infrastructure deployment at apartment buildings with our open solution, Schneider Charge Pro, an affordable EV charger that simplifies billing, optimizes comfort of residents and manages EV loads in real-time thanks to EcoStruxure EV Charging Expert.

Integration with Charge Point Operator's management system

Schneider Charge Pro is easy to connect to any system thanks to OCPP 1.6-J

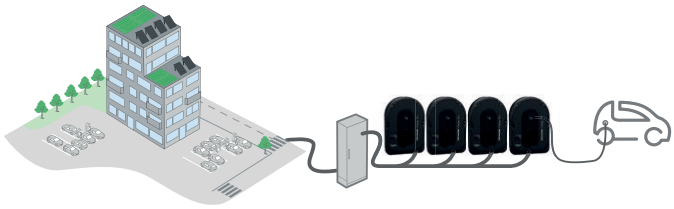
Charging Supervision Management System

Compatible with EV driver application from CPO

Load management system

EcoStruxure EV Charging Expert:

- Distribution of available power, including local production, for all charging stations
- Peak/off-peak hours EV charging management



Customer benefits

For Charge Point Operators:

- Versatile offer
- Reduced Total Cost of Ownership
- Easy integration into CPO management system
- Certified energy measurement for billing (MID)

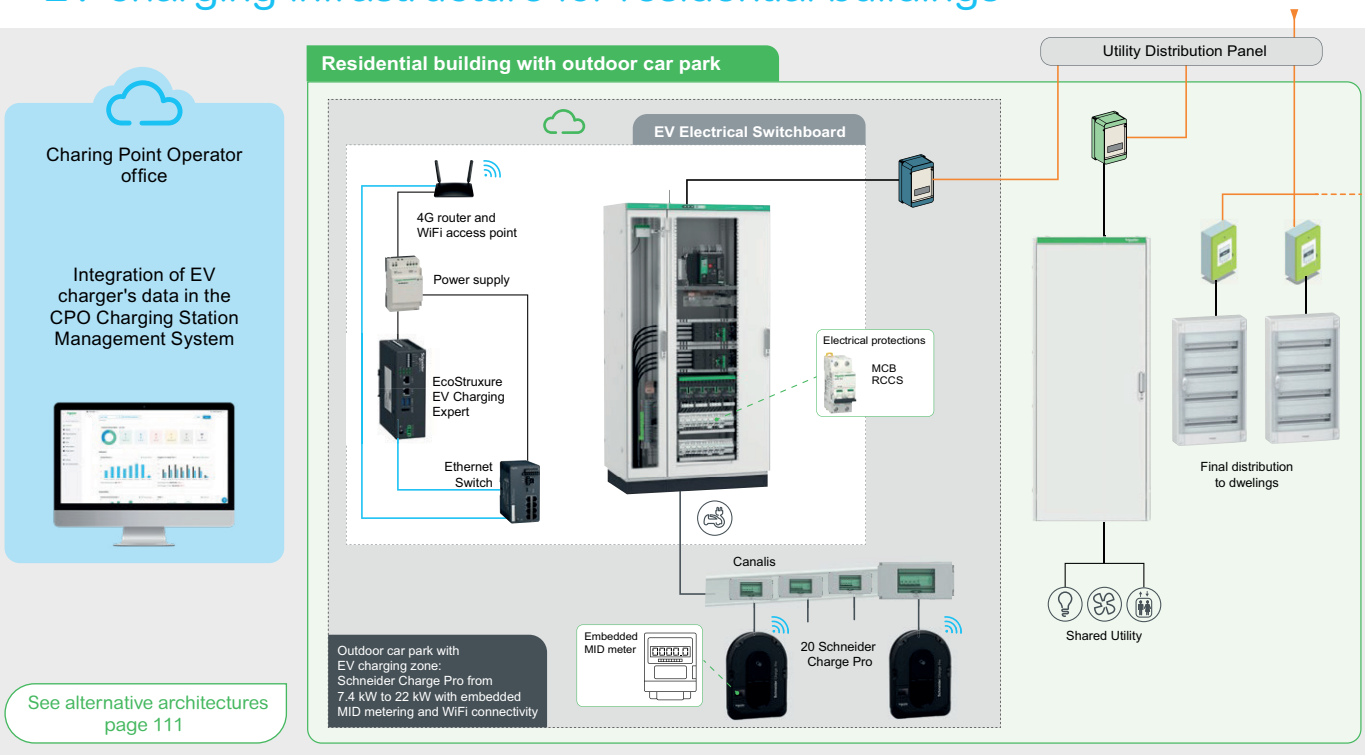
For Electrical Contractors:

- Reduced installation time
- Fast to commission
- Robust solution
- Technical support and services from Schneider Electric

For Owner-corporations:

- Minimized property development costs
- Open and ready for operations
- Compliant with local regulations
- Scalable EV infrastructure

EV charging infrastructure for residential buildings



See alternative architectures page 111

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From a scalable to an optimized solution for tertiary sites

Watch the video

EVlink Pro AC

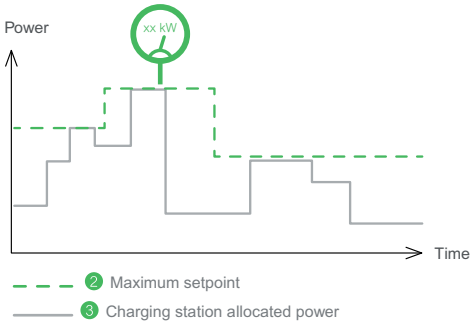
Connected EV charging stations

- Optimized usage and usability:
  - Reduced maintenance time
  - Robust design (IP55/IK10 rated) for indoor/outdoor installations
  - Customizable charging stations
- Embedded protection for power distribution (RCD; iMNx)
- RFID/NFC reader for user authentication
- Standards-compliant: precision metering (MID meters)
- Flexible and modular:
  - Interoperability with supervision solutions (OCPP 1.6-J)
  - Extended EV compatibility (IEC 61851 Ed.3, ISO 15118 upgradable)

EVlink Pro DC

180 and 60 kW v2 with dual connectors

- Certified to the highest electrical standards
- Dynamic load balancing between vehicle connectors
- Efficiency up to 97%
- Robust design for outdoor or indoor installations (IP55)
- Authentication: RFID/NFC reader; ISO15118 Plug n Charge or auto-charge (mac address)
- Interoperability with supervisions systems (OCPP 1.6-J)
- Repairable product, Green Premium labelled
- Worldwide network providing on-site service for commissioning and maintenance



EcoStruxure EV Charging Expert

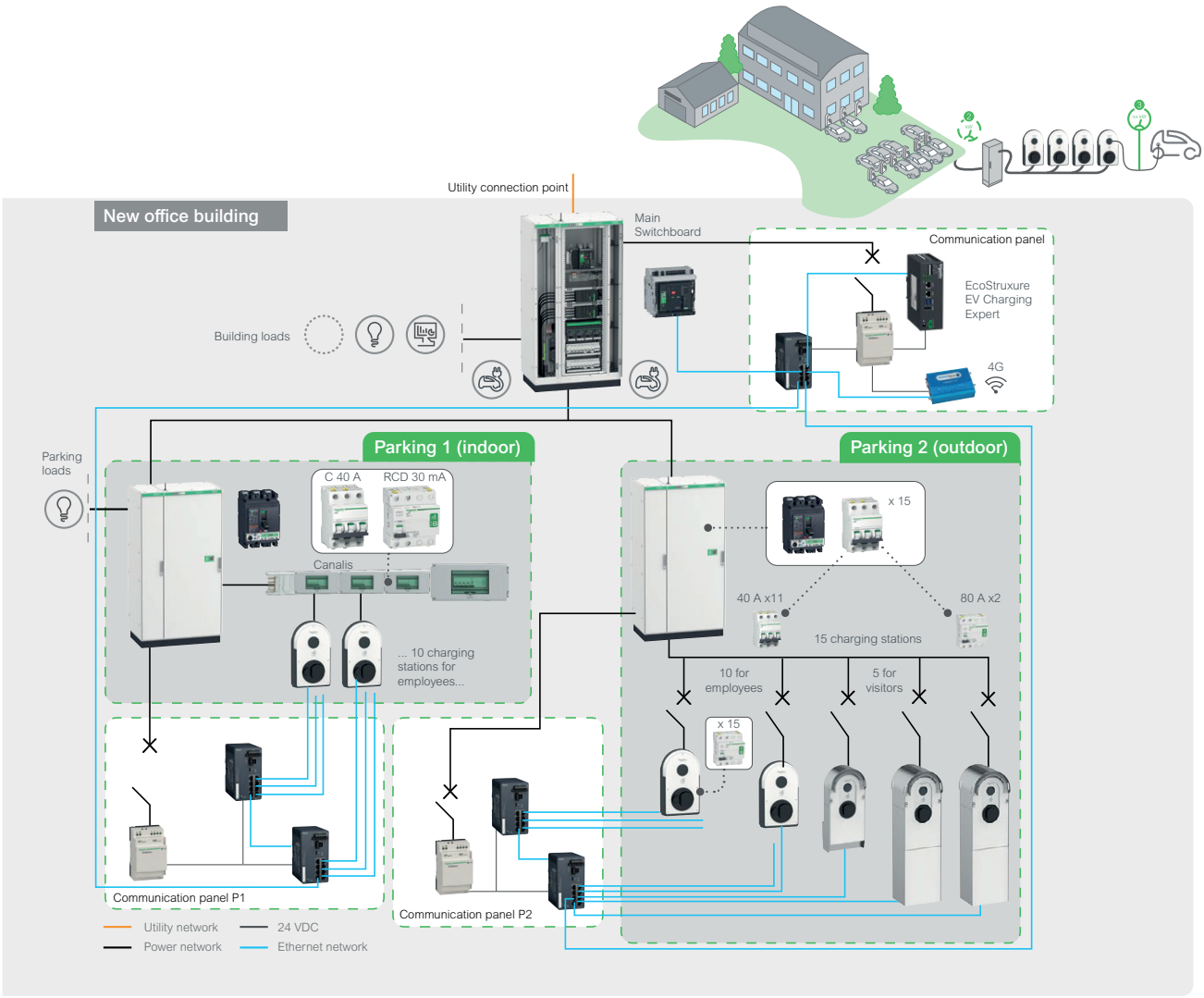
Load Management System

- Dynamic distribution of available power among charging stations
- On peak/off-peak hours EV charging management
- Monitoring and control of EV charging stations based on an open protocol (OCPP 1.6-J)

Watch the video

Charging infrastructure for employees or customer's driving EVs

Our eMobility solution provides a first easy step for business owners to start up electric mobility in their companies while keeping investment, utility costs and power supply fully optimized. Improving the customer experience and satisfying employees driving an electric vehicle, all at the same time.



Customer benefits

For electrical contractors:

- Reduced installation time
- Guided commissioning
- Schneider Electric Partner certification and training program

For building owners:

- Demonstration of sustainability commitments
- Improved employee satisfaction and customer loyalty
- Optimized power availability
- Scalable infrastructure
- In-house operations or delegated to external charge point operator

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Transition car parks or fleets to net-zero transportation

EVlink Pro DC with
Credit Card Reader

EVlink Pro Pay
payment kiosk

Payment terminal solutions for EV charging infrastructures

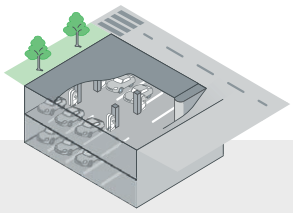
- Contactless payment
- Pin on glass
- VISA, Mastercard, Apple Pay, Google Pay
- Dynamic Display of pricing policy
- Electronic receipt by QR code
- Color touch screen
- Embeded within DC chargers
- Manage payment for up to 10 chargers
- LAN or 4G connectivity

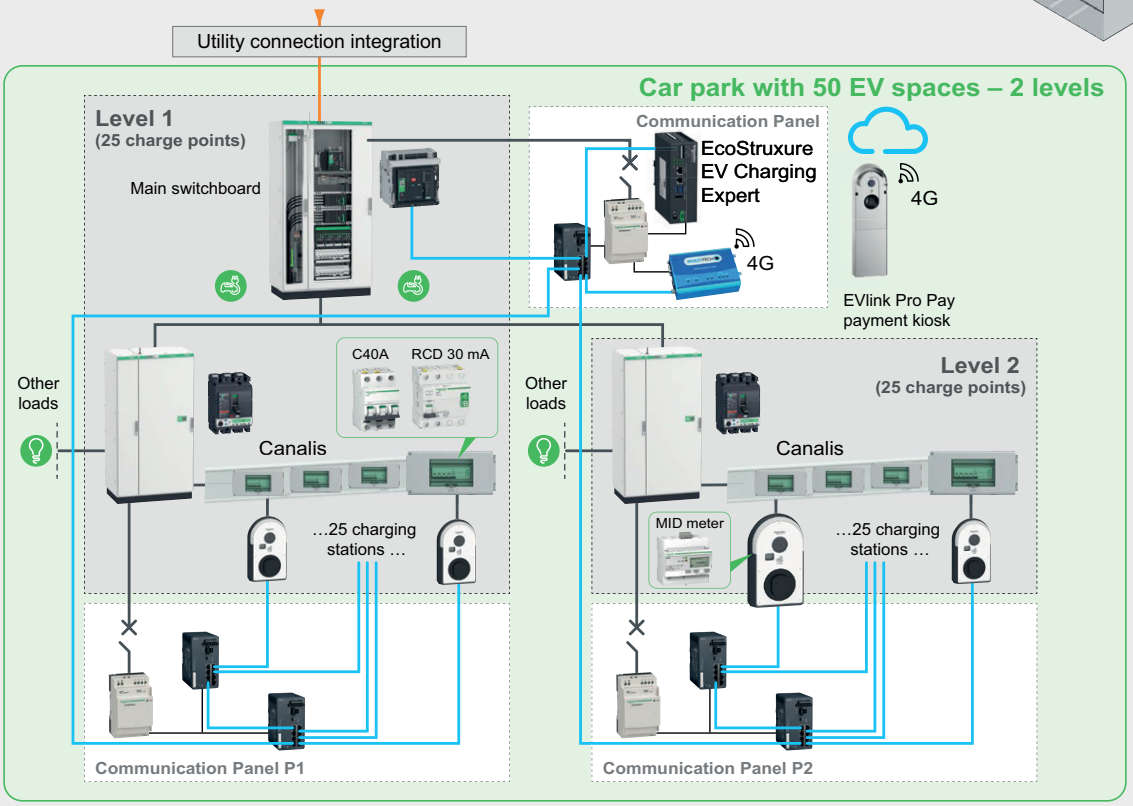
Cloud-based supervision and parking management system integration

Our eMobility solution can be connected to a Charging Station Management System. These systems perform user access management, payment collection and many more, and/or can be integrated with parking management systems and others via API or other technology.

Charging infrastructure for underground car parks with 2 EV zones

With our eMobility solution for EV charging, car parks owners offer a fully integrated one-stop service for visitors that increases their customers' satisfaction while generating new revenues.





Cloud-based supervision integrated into the Parking Management System via API or alternative capability*.

Charging Station Management System

Parking Management System (PMS)

As an alternative, EV chargers can be directly integrated to the PMS in OCPP*.

Customer benefits

For car park operators:

- Attract EV drivers and create an additional revenue stream
- Offer visitors a one-stop service
- Optimize power availability and reduce energy costs
- Integration with parking management system
- Get technical support and services for your EV infrastructure

For car park owners:

- Minimize development costs
- Offer an EV service as a path to sustainability
- Get a modular, flexible and scalable charging infrastructure ahead of future needs

* Find out more details in our Design guide for Building applications.

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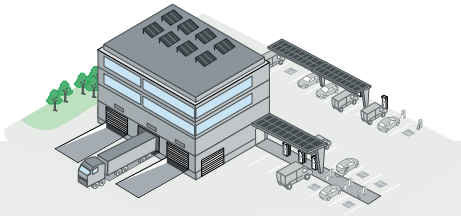
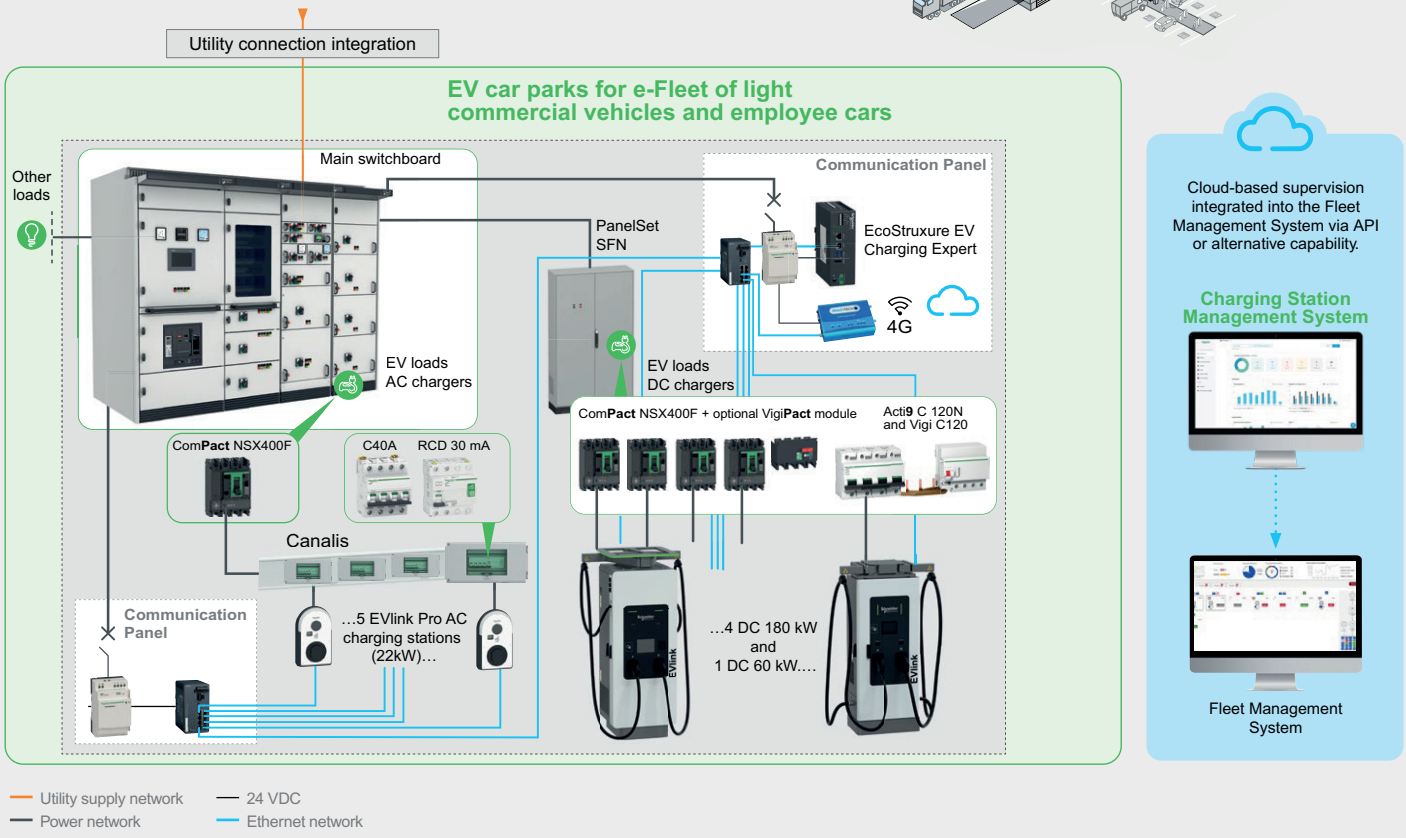
Charging infrastructure for EV cars and eVans depot with AC and fast DC chargers

EcoStruxure for eMobility is a comprehensive solution combining a line-up of high quality chargers from 7 kW AC to 180 kW DC, tailored electrical distribution, and Schneider Electric load's management expertise: a complete solution that actively helps decarbonize fleet operations.





Customer benefits

For fleet managers:

- Decarbonize operations and start the journey to net-zero transportation
- Make certain the fleet is always charged and running on schedule
- Get a modular, flexible and scalable charging infrastructure to anticipate future needs

For building owners/managers:

- Install charging infrastructure without compromising building processes
- Comply with new regulations
- Optimize power availability, energy costs and energy consumption
- Deploy lasting protection of the system using PanelSeT SFN

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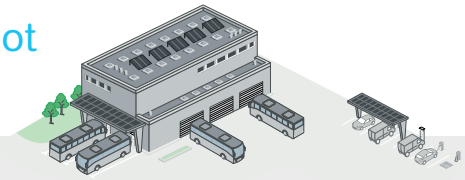
Power up eFleets

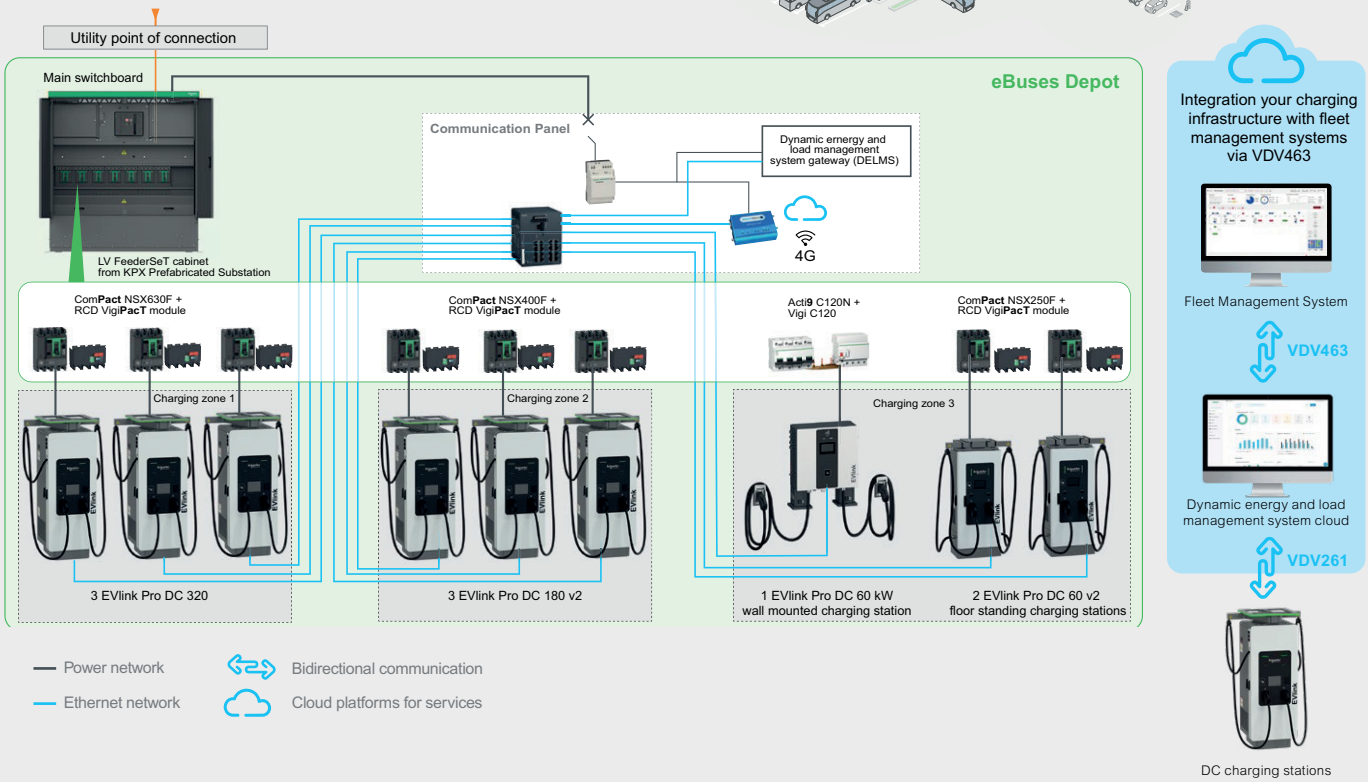
DC Fast Charging ranges

Our Fleet-friendly solution supports VDV 261 bus preconditioning standard and integrates seamlessly with fleet management systems. It is scalable, delivers a smooth and optimized charging experience and offers the state-of-the-art serviceability.

- Floor standing or wall mounted*
- High energy efficiency power modules (97%)
- 7.5m range output cable
- Plug and Charge authentication (autocharge and ISO 15118 support)
- Proactively maintained via sensors and the manufacturer EcoStruxure Asset Portal
- On-site or remote expert assistance from the manufacturer
- High performance in harsh environment: -30°C/+50°C temperature resistance without derating

Charging infrastructure for eBuses Depot with fast DC chargers





Customer benefits

For Retail Owners:

- Make certain the fleet is always charged and operating on schedule
- Precondition my fleet prior to departure for optimal performance and passenger comfort
- Optimize energy allocation and consumption
- Get a modular, flexible and scalable charging infrastructure to anticipate future needs

For System Integrators:

- End-to-end solution from a single provider
- Open and scalable solution
- Schneider Electric expertise support from design to execution

For Charge Point Operators:

- Designed for large scale deployment
- Versatile offer
- Easy integration into CPO management system

eMobility for
Retail and Public Spaces

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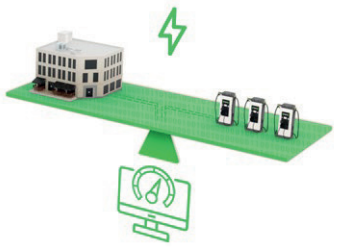
Offering a simple, efficient and always-on charging infrastructure

Our eMobility solution provides transparent payment options and multiple authentication possibilities to offer a seamless customer experience. To amortize CAPEX investment, it combines the efficiency of our latest generation of fast DC chargers with our advanced EV Load Management System. Furthermore, the advanced connectivity for streamlined supervision combined with robust design and our comprehensive range of services, optimizes uptime of the EV infrastructure.

EcoStruxure EV Charging Expert

Load management for EV charging to priorize business activity

- Dynamically adjust the EV loads limit to the building's activities
- Cost optimization based-on tariff and peak hours
- Easy integration with Charging Point Operator supervision systems (OCPP 1.6 JSON)

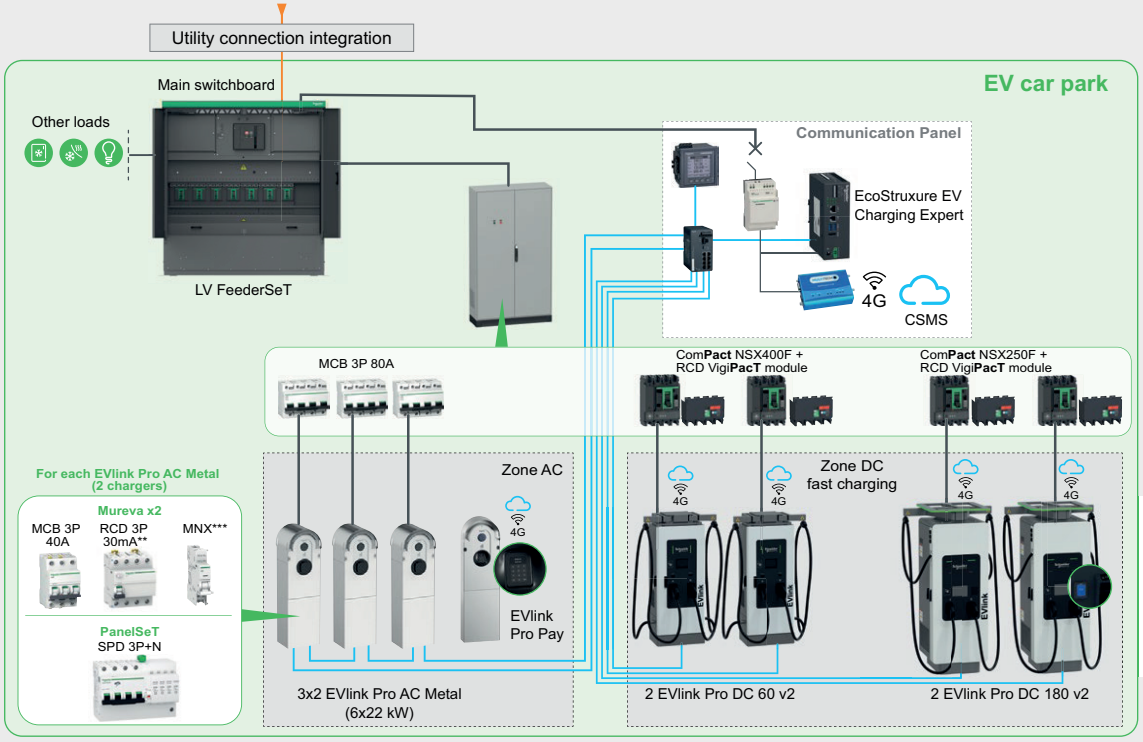


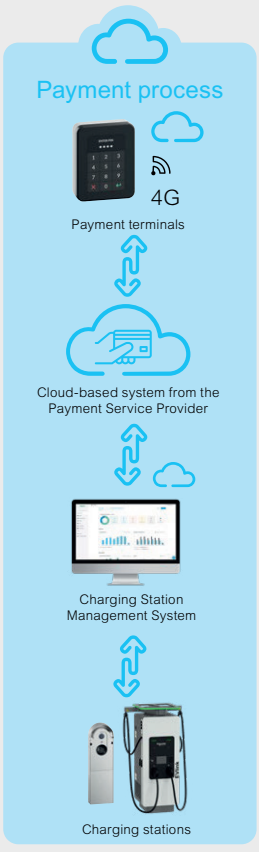
eMobility Services

Maximize the uptime and performance of your EV infrastructure leveraging our expertise, remotely or through on-site assistance.

- A cloud-based solution that enables Schneider Electric's experts to diagnose remotely and notify you if necessary
- Quick repair support from our global network of field services representatives
- Customer support in local language

Charging infrastructure for retail and public spaces





Customer benefits

For Retail Owners:

- Business continuity and EV charging efficiency
- Optimal EV driver experience that increased my customers' loyalty
- Open and scalable infrastructure

For Electrical Contractors:

- End-to-end solution from a single provider
- Seamless experience for the infrastructure manager and owner

For Charge Point Operators:

- Maximizes uptime
- Full spectrum of services from commissioning to maintenance
- Advanced connectivity to streamline the supervision of the EV infrastructure

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Battery Energy Storage Solution for Commercial and

Schneider Electric provides a fully integrated solution for commercial and industrial buildings

One solution for different energy strategies

Self-consumption optimization

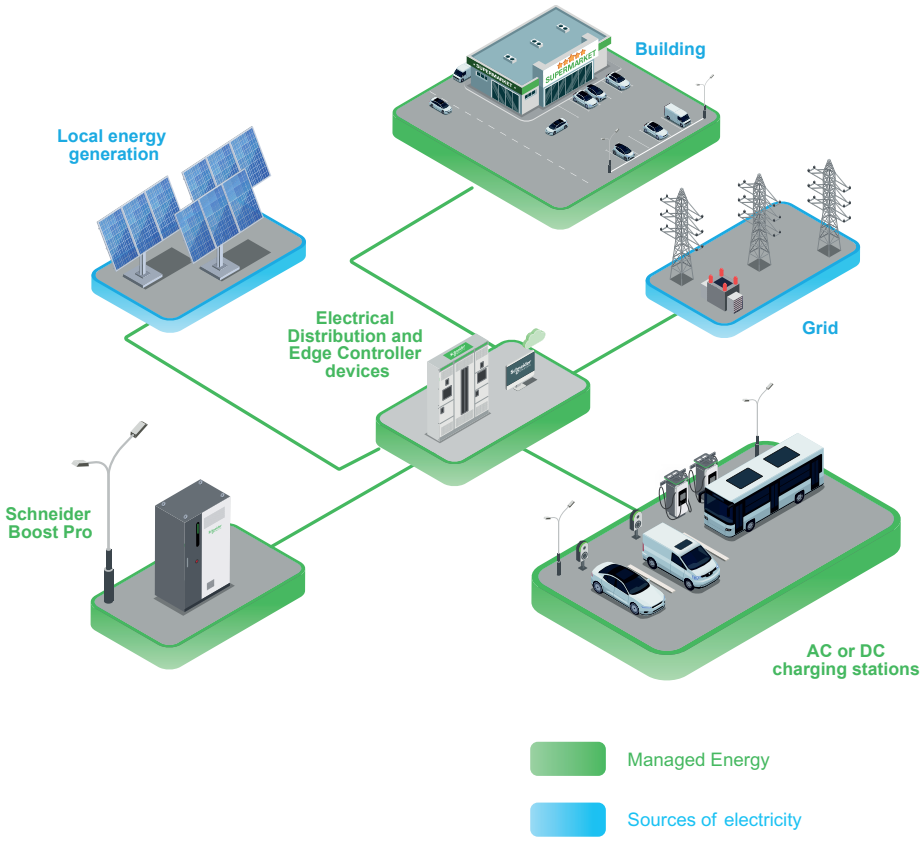
Store excess solar/wind production and use it later to avoid grid imports.

Extra power allocation

Use pre-charged BESS when the required energy is higher than the site available energy.

Peak Shaving

Discharge battery during consumption peaks, to lower peak demand.



Tariff Management

The battery charges during off-peak hours, when electricity prices are low, and discharges during peak hours, when prices are high, to reduce energy costs.

Imbalance Management

(December 2025)

Follow the TSO signal to generate additional revenue.

Industrial Buildings: Schneider Boost Pro

› An all-in-one solution combining hardware, software, and services designed to evolve with your needs and deliver lasting performance.

1 **Schneider** Boost Pro is a 200kWh (100 kW inverter power) stationary storage system designed for commercial and industrial applications.

- Business continuity and peace of mind through robust system and cybersecurity-focused design
- Achieve peak performance with seamless connection with existing energy assets (PV, EV) and multiple energy strategies support
- Easily scale up to 2 MWh by combining 10 power cabinets

Paired with the EcoStruxure Energy Asset Controller (EEAC) Shneider Boost Pro enables multiple energy strategies: self-consumption, peak shaving, load balancing, tariff arbitrage,…

2 EcoStruxure Energy Asset **Controller**

An edge controller enabling onsite monitoring, control, and optimization of a site's electrical assets (battery, solar, EV charging infrastructure...).

EcoStruxure Energy Asset Portal - Maintain

A cloud-based solution that enables remote services from our Schneider Electric experts.

See related product page 89

EV charging and storage solutions

Buildings

At Residential Buildings

Schneider Charge Pro
AC charging station

Integration to Charging Station Management System (OCPP protocol)

In Transit

EVlink Pro DC 720

Integration to Charging Station Management System (OCPP protocol)

Single Family Home

Schneider Charge
AC charging station

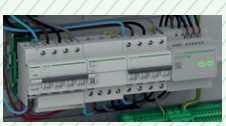
Monitoring and control of the EV charging

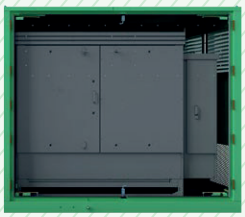
Wiser or 3rd party EV charging application

Anti-tripping module for Single Family Home

EcoStruxure EV Charging Expert

Load Management system for EV charging in Residential or Commercial and Industrial Buildings





Electrical distribution

Main switchgear, decentralized solution, protections, metering, gateway and power load management devices from Schneider Electric

Battery Energy Storage Solution for Commercial and Industrial Buildings

Schneider Boost Pro

EcoStruxure Energy Asset Controller

Integration to Charging Station Management System (OCPP protocol)

At Work and Public Spaces

EVlink Pro AC
AC charging station

EVlink Pro DC
Floor standing or wall mounted

EVlink Pro DC
From 120 to 320 kW

Integration to Charging Station Management System (OCPP protocol)

For Heavy Fleets

EVlink Pro DC
From 120 to 320 kW

Integration to Charging Station Management System (OCPP protocol)

EcoStruxure EV Charging Expert

Load Management system for EV charging in Residential or Commercial and Industrial Buildings

eMobility Services

Over the entire lifecycle

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Schneider Charge
Electric Vehicle charging stations and accessories

Schneider Charge

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Characteristics

Environmental Data Program

RoHS compliant
Reach compliant

Certification

Schneider Charge has obtained the test certificate, establishing compliance with the IEC 61851-1 standard.

Standards

EN 61851-1 Ed3.0 (2019)
EN 61000-6-1
EN 61000-6-3
IEC 61851-21-2
IEC 62955 ed. 1.0
2014/53/UE RE Directive compliant

Charging station offer

Charging power:
Attached cable version: 5 m or 7 m with T2 connector:
7.4 kW single-phase or 11 kW three-phase

T2S version:
7,4 kW 1-phase and 11 kW/22 kW 3-phase

- Maximum charging current can be adjusted from 6 A to 32 A
- T2 socket outlet with shutter
- Attached cable (5 m or 7 m) with T2 connector

Power supply network

- 230 V +/- 10% single-phase - 50-60 Hz for 7,4 kW charging stations
- 400 V +/- 10% three-phase - 50-60 Hz for 11 kW/22 kW charging stations
- Internal protection: 6 mA DC filter
- Suitable earthing systems: TT, TN-S, TN-C-S, IT/TT without Neutral (230 V AC only)

Mechanical and environmental characteristics

- Ingress protection code: IP55
- Impact protection code: IK10
- Operating temperature:

	T2 socket outlet	Attached cable
1P 32 A	-30...50°C	-35...50°C
3P 16 A	-30...55°C	-35...55°C
3P 32 A	-30...45°C	

- Storage temperature: -40°C to +85°C
- Relative humidity 5% to 95%
- Altitude < 2000 m
- Attached cable length: 5 m for versions supporting it

Dimension

- Attached cable version: 352x244x107 mm
- T2S version: 352x244x117 mm
- Weight:

T2 socket outlet	Attached cable	
	1P + N	3P + N
3.3 kg	5m: 4.5 kg 7m: 5.3 kg	5m: 4.5 kg 7m: 5.2 kg

Installation

- Wall mounting

Anti-tripping

- Exclusive energy management options: real-time maximum charging current control (with the addition of an external anti-tripping module)
- Power Line Carrier communication between the charging station and the anti-tripping module (limited to 6 devices within a distance of 200 m max).

Services offer

- Worldwide network of installers providing on-site installation and commissioning
- Worldwide customer care center

Commissioning:

- eSetup mobile phone application or Wiser Home (according to your country)

Operation

Interoperable with EV charging applications
- Wiser (France, Germany, Spain, Portugal, Sweden, Norway, Finland, Denmark)
- Third party EV charging applications

Charging station references

Schneider Charge

EVH5A22N2S

Schneider Charge					
References [1]	Number of phases	Type of socket	Power kW	Output current	Embedded protection
T2 with shutters					
EVH5A22N2S	1P/3P+N	T2S	(7.4)(11)/22	32A	with 6 mA DC filter
With attached 5 m[1] cable and T2 connector					
EVH5A07N2C5	1PH	-	7.4	32A	with 6 mA DC filter
EVH5A11N2C5	3PH	-	11	16 A	with 6 mA DC filter
With attached 7 m[1] cable and T2 connector					
EVH5A07N2C7	1PH	-	7.4	32A	with 6 mA DC filter
EVH5A11N2C7	3PH	-	11	16 A	with 6 mA DC filter

[1]References to be defined and local availability to be checked by Schneider Electric front offices.

Schneider Charge with TIC[2] (France offer)					
References	Number of phases	Type of socket	Power kW	Output current	Embedded protection
T2 with shutters					
EVH5A22N400F	1P/3P+N	T2S	(7.4)(11)/22	32A	with 6 mA DC filter

[2]For France only : TIC- Anti-tripping module connected to the energy meter (Linky)

Protections and options with Schneider Charge

Description			
Charging	Single-phase	Three-phase	
Rated Power - Current	7.4 kW - 32 A	11 kW - 16 A	22 kW - 32 A
Protection			
Circuit breaker (overcurrent) [1]	40 A Curve C	20 A Curve C	40 A Curve C
RCD (residual current) [1]	30 mA A-SI Type or Type B[2]	30 mA A-SI Type or Type B[2]	30 mA A-SI Type or Type B[2]
Under voltage tripping auxiliary [3][4]	iMNX	iMNX	iMNX

[1] References to be defined and local availability to be checked by Schneider Electric front offices.
[2] In accordance with the electrical installation standard HD 60364-7-722:2016. Refer to local regulation.
[3][4] iMNX is mandatory in case of charging station damage following a downstream short circuit.

Commission and control Schneider Charge from the palm of your hand

Wiser
(Available in France, Germany, Spain, Portugal, Sweden, Norway, Finland and Denmark)

Easy to sign up:
- Download Wiser on Appstore and Google Store
- Scan your charger QR code to pair your charger

Schedule and adapt:
- Plan your charging time
- Adjust your energy mix
- Start and/or Stop the charge

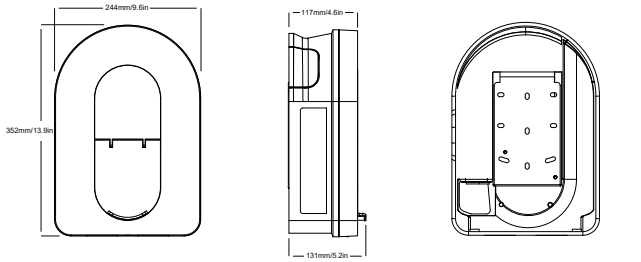
History:
- Track your charging session power and associated cost

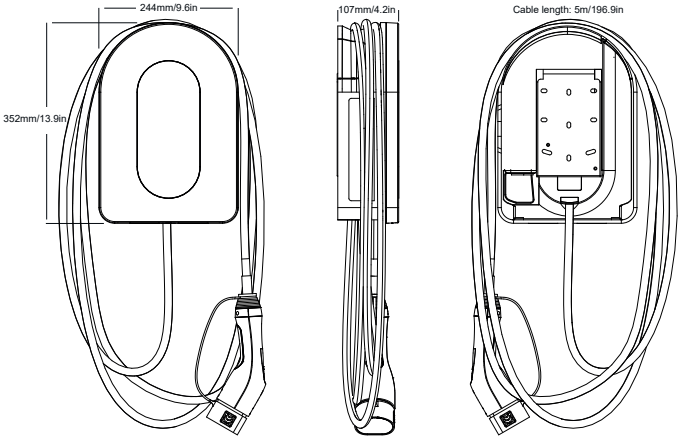
Third-party EV charging applications
Monitor, control the EV charging station, and much more

- Monitoring, scheduling and cost optimization
- Plus other features depending on the application (smart charging, grid services…)

Schneider Charge

Charging stations dimensions





With socket outlets

≈ 3.2 kg (7.05 lb)
T2 – 7.4 kW / 11 kW / 22 kW

With attached cable

5 m ≈ 4.5 kg (9.92 lb) – 7.4 kW
7 m ≈ 5.3 kg (11.68 lb) – 7,4kW

5 m ≈ 4.5 kg (9.92 lb) – 11 kW
7 m ≈ 5.2 kg (11.46 lb) – 11 kW

Watch the video

Accessories

EVlink Cable

To connect the car to the charging station. Available in different lengths with a T2 connector.

Please refer to page 53

EV cable holder

Reference: EVA5GH

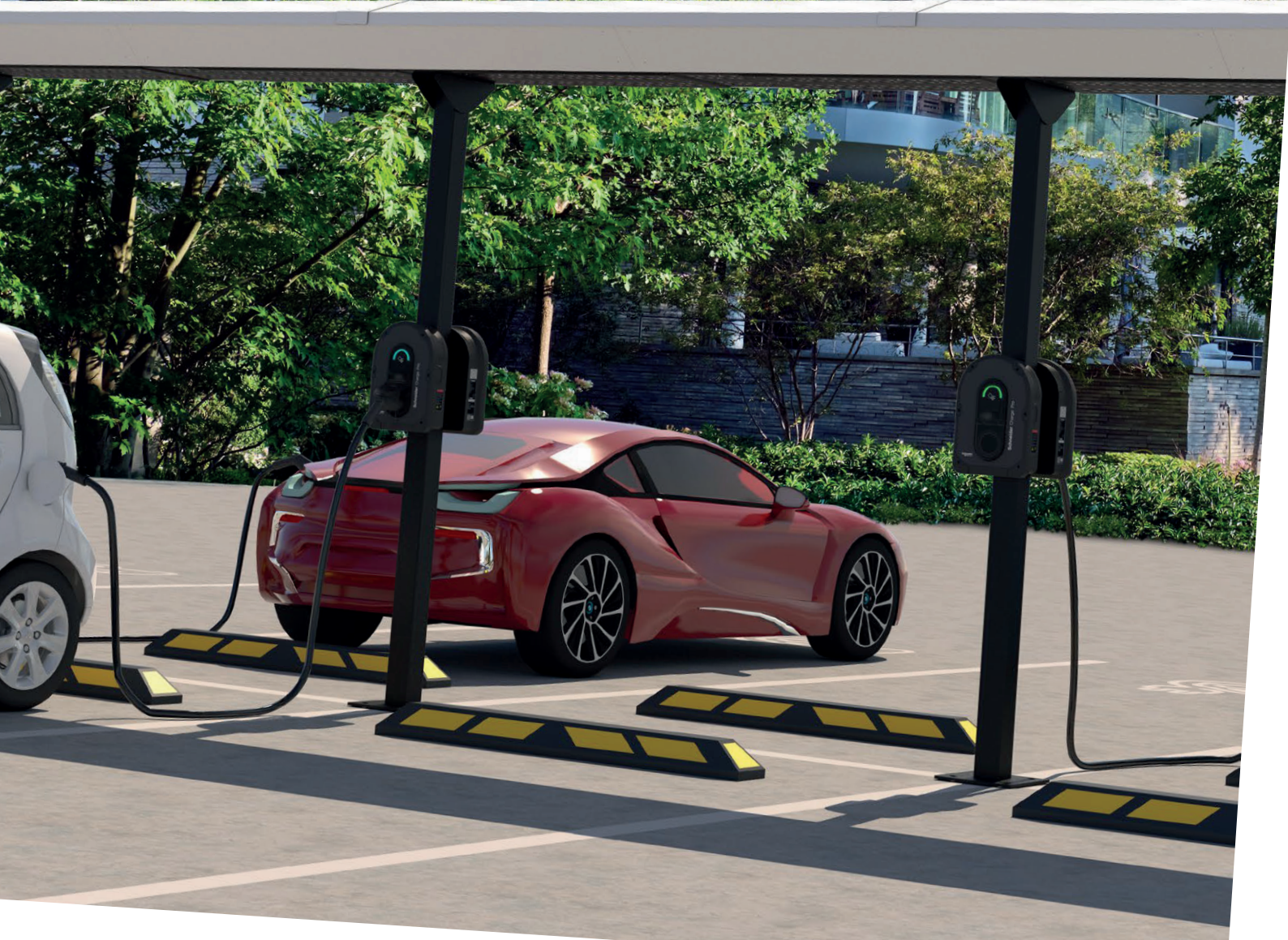
Anti-tripping modules

1-phase or 3-phase peak controllers

The anti-tripping module is a power load management system that continuously adapts the power supplied to charge the car, taking home consumption into account.

Please refer to page 34

Technical documentation
Please refer to bibliography in Appendix



Schneider Charge Pro
Electric Vehicle charging stations and accessories

Schneider Charge Pro

duyar motorpompa®
Yenilikçi bina teknolojileri

Characteristics

EVB4S22N40
EVB4S22N40G
EVB4S22N40M
EVB4S22N40MG

EVB4S22NC0
EVB4S22NC0G
EVB4S22NC0M
EVB4S22NC0MG

Environmental Data Program

RoHS compliant
Reach compliant

Certification

Schneider Charge Pro has obtained the test certificate, establishing compliance with the IEC/EN 61851-1 standard.

Standards

IEC 61439-7
IEC 62955 ed. 1.0
2014/53/UE RE Directive compliant
EN/IEC 61851-21-2
EN/IEC 61000-6-1
EN/IEC 61000-6-2
EN/IEC 61000-6-3
EN/IEC 61000-6-4
E.V. READY 2.0A
EN 301489-1
EN 301489-3
EN 301489-17
EN 301489-52
EN 301511
EN 301908-1
EN 301908-2
EN 301908-13
EN 300328
EN 300330
EN/IEC 62311
ISO15118-2 and ISO15118-3

Charging station offer

Charging power:
Attached cable version: 7 m with T2 connector:
7.4 kW 1-phase or 11 kW/22 kW 3-phase

T2S version:
7.4 kW 1-phase or 11 kW/22 kW 3-phase

- Maximum charging current can be adjusted from 6 A to 32 A
- T2 socket outlet with shutter
- Attached cable (7 m) with T2 connector

Access control modes

- Free access
- User authentication through RFID or NFC badge
  - NFC 13.56 MHz reader compatible with Class 1, Class 2, Class 3, Class 4, Class 5, Class 6 badges
  - RFID reader:
    - conforming to ISO/IEC 14443 A and B and ISO/IEC 15693 protocols,
    - compatible with Mifare Ultralight, Mifare Classic, Mifare Plus

Embedded protection and metering

(depending on commercial references)

- Earth leakage protection: RDC-DD 6 mA +
- MID energy meter (For commercial references with embedded MID meter). 1% accuracy according to IEC 62053-21 (Class 1/0.5) and EN50470-3:2022 (Class B/C)
- Metering board and CTs 1% accuracy

Versatile connection to a supervision

- Wired Ethernet: 2 ports support star and daisy chain
- Connection through embedded 4G or Wi-Fi modem
- OCPP 1.6 Json Smart Charging interface
- With module EVA2M8, compliance with ISO15118-2 and -3 without Plug and charge
- Energy management options:
  - Peak controller (see details about anti-tripping on next page)
  - Digital inputs for DSO and TIC interface for French utility meter or universal energy meter

Mechanical and environmental characteristics

- Ingress protection code: IP55
- Impact protection code: IK10
- Operating temperature: -30 to 50°C*
- Storage temperature: -40°C to +85°C
- Relative humidity 5% to 95%
- Altitude < 2000 m
- Attached cable length: 7 m for versions supporting it

Dimension

- Attached cable version: 292 x 418 x 119 mm
- T2S version: 292 x 418 x 136 mm
- Weight: 4.3 kg for T2S ; 7.4 kg for attached cable

Installation

- Wall mounting
- Pedestal for 1 or 2 charging stations

*The charging station embeds a power derating in case of external temperature higher than 50°C, to enable the continuity of service.

Power supply network

- 220-240 V AC +/- 10 %, single-phase, 50/60 Hz for 7,4 kW charging stations
- 380-415 V AC +/- 10 %, three-phase, 50/60 Hz for 11 kW/22 kW charging stations
- Suitable earthing systems: TN-S, TN-C-S, TT, IT (220-240 V only)

Anti-tripping

- Exclusive energy management options: real-time maximum charging current control with the addition of an external anti-tripping module
- Power Line Carrier communication between the charging station and the anti-tripping module (limited to 6 devices within a distance of 200 m max).

Services offer

- Worldwide network of installers providing on-site installation and commissioning
- Worldwide customer care center

Commissioning:

- eSetup mobile phone application

Operation

- Interoperable with Schneider Electric or third party EV charging applications, EcoStruxure EV Charging Expert and local or remote Charging Station Management Systems

Charging station references

Schneider Charge Pro

Schneider Charge							
References [1]	Number of phases	Type of socket	Power kW	Output current	Embedded 4G Modem	Embedded MID Meter	Embedded protection
T2 with shutters							
EVB4S22N40	1P/3P+N	T2S	7.4/11/22	32A	No	No	with 6 mA DC filter
EVB4S22N40M	1P/3P+N	T2S	7.4/11/22	32A	No	Yes	with 6 mA DC filter
EVB4S22N40G	1P/3P+N	T2S	7.4/11/22	32A	Yes	No	with 6 mA DC filter
EVB4S22N40MG	1P/3P+N	T2S	7.4/11/22	32A	Yes	Yes	with 6 mA DC filter
With attached 7 m[1] cable and T2 connector							
EVB4S22NC0	1P/3P+N	Att cable	7.4/11/22	32A	No	No	with 6 mA DC filter
EVB4S22NC0M	1P/3P+N	Att cable	7.4/11/22	32A	No	Yes	with 6 mA DC filter
EVB4S22NC0G	1P/3P+N	Att cable	7.4/11/22	32A	Yes	No	with 6 mA DC filter
EVB4S22NC0MG	1P/3P+N	Att cable	7.4/11/22	32A	Yes	Yes	with 6 mA DC filter

[1]References to be defined and local availability to be checked by Schneider Electric front offices.

Protections and options with Schneider Charge Pro

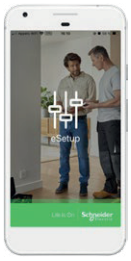
Description			
Charging	Single-phase	Three-phase	
Rated Power - Current	7.4 kW - 32 A	11 kW - 16 A	22 kW - 32 A
Protection			
Circuit breaker (overcurrent) [1]	40 A Curve C	20 A Curve C	40 A Curve C
RCD (residual current) [1]	30 mA A-SI Type or Type B[2]	30 mA A-SI Type or Type B[2]	30 mA A-SI Type or Type B[2]
Under voltage tripping auxiliary [3][4]	iMNX	iMNX	iMNX

[1] References to be defined and local availability to be checked by Schneider Electric front offices.
[2] In accordance with the electrical installation standard HD 60364-7-722:2016. Refer to local regulation.
[3][4] iMNX is mandatory in case of charging station damage following a downstream short circuit.

Schneider Charge Pro

Charging station tools

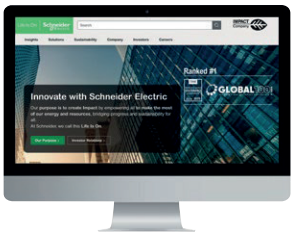
eSetup



A professional application to simplify and finalize the commissioning of your EV infrastructure on your customers' sites.

Download the Application

EcoStruxure Charging Configuration Tool



An easy-to-use PC based tool to perform local or remote maintenance tasks on EVlink Pro AC and Schneider Charge Pro through a simple and intuitive laptop interface.

Download it on se.com

Accessories and Spare parts references

EVlink Cable

To connect the car to the charging station. Available in different lengths with a T2 connector.

TS2 Socket

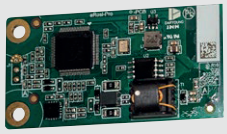
Reference: EVP2SSS43

Please refer to page 53

EV cable holder

Reference: EVA5GH

ISO15118 communication module for AFIR compliance



ISO15118 Module for Schneider Charge Pro
Reference: EVA2M8

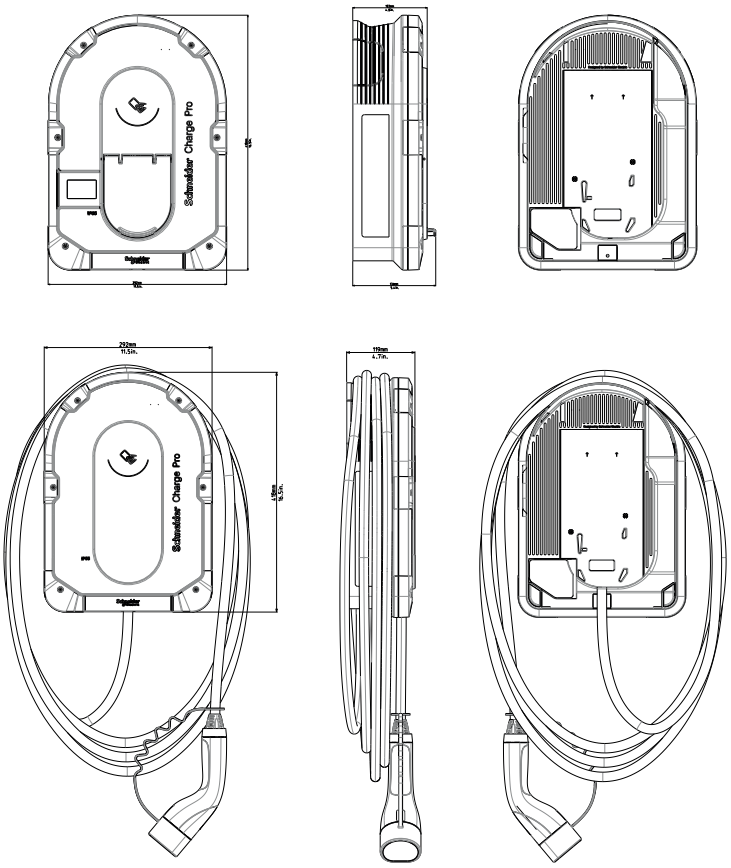
Pedestal mounting pole

Floor standing:

- for 1 Schneider Charge Pro
  Reference: **EVA2PBS1**
- for 2 Schneider Charge Pro
  Reference: **EVA2PBS2**
- Plate to convert the pedestal for 1 charger to a pedestal for 2 chargers.
  Reference: **EVA2PCS2**

Schneider Charge Pro

Charging stations dimensions



With socket outlets

≈ 4.3 kg (9.92 lb)
T2 – 7.4 kW / 11 kW / 22 kW

With attached cable

≈ 7.4 kg (16.75 lb)
7 m attached cable - 7,4kW / 11 kW / 22 kW

Schneider Charge Pro

Anti-tripping module
for Schneider Charge and Schneider Charge Pro

Characteristics

1-phase Universal Peak controller:

EVA4HPC1
from 16 A to 50 A

EVA2HPC1
from 32 A to 100 A

3-phase Universal Peak controller:

EVA2HPC3
from 16 A to 50 A

Environmental Data Program

RoHS compliant
Reach compliant

Standards

EN 61326-1-2013
EN 61010-1-2010

Main function

- Home Anti-tripping is a power load management system that adapts the power supplied to charge the car continuously, taking home consumption into account*.
- The power availability is calculated by the Home Anti-tripping System comparing the utility power limit and the home consumption gathered by a current transformer positioned on the bottom of the main circuit breaker.
- For photovoltaic application it continuously adapts the charging power taking home consumption and self-generated energy (PV, wind, storage...) into account.

* The Anti-Tripping Module limits the maximum power draw of the charging station, in some cases completely stopping the charging according to the power available in the electrical installation, especially if the home is equipped with a heat pump. Minimum recommendation: 25A 3P+N.

Pairing functionality:

- Pairing functionality with Schneider Charge and Schneider Charge Pro charging station.
  Up to 6 pairs can be used at the same time within PLC function range (200-meter power cable length).

Power supply network and electrical characteristics

- 220-240 V AC (+/- 10%) 50/60 Hz
- TN-S, TN-C-S, TT, IT (only 220-240V, single-phase)
- Rated power:
  - 1Ph: 4 W
  - 3Ph: 5 W
- Overvoltage category: III, Pollution degree: 2
- Insulation degree: reinforced insulation

Mechanical and environmental

- Dimensions:
  - 1Ph: 70.4 x 93.2 x 68.8mm
  - 3Ph: 72 x 89 x75 mm
- Weight:
  - 1Ph: 196 g
  - 3Ph: 180 g
- Mounting type: Top-hat rail mounting
- Nominal temperature -30°C to +50°C

Settings

- Possible current value settings:
- 1P (EVA4HPC1): 16A, 20A, 25A, 32A, 40A and 50A
- 1P-HR (EVA2HPC1): 32A, 40A, 50A, 63A, 80A and 100A
- 3P (EVA2HPC3): 16A, 20A, 25A, 32A, 40A and 50A

Communication

- Communication with Schneider Charge and Schneider Charge Pro charging stations via Power Line Carrier

Technical documentation
Please refer to bibliography in Appendix

Resi9 Energy Meter
for Schneider Charge Pro

duyar motorpompa®
Yenilikçi bina teknolojileri

Characteristics

R9M80X6M
1 phase

R9MUX6M
3 phases

Resi9 Energy Meter 1or 3-phases

Main function

- Metering function that communicates power and current to the charging station to avoid tripping of the installation
  - Imax (3P) = 80-160-250A
  - Imax (1P) = 80A

Avantages

- Device configurable with eSetup
- Accuracy 1% (class1) in accordance to IEC 61557-12 standard.
- Unlimited numbers of pairs can be used at the same time (1000m max. Modbus cable length).

Inconvenient

- Extra cable needed due to communication through modbus RS485

R9MCT80

R9MCT160

R9MCT250

Three current transformers are proposed with different ratings: 80/160/250A. For single phase module, only CT80A is compatible. Specific marking on the CT is showing the current flow to avoid mismatch on the power cable.

Learn more

SpaceLogic KNX catalog

EVlink™ Pro AC and Pro AC Metal

Electric Vehicle charging stations and accessories

EVlink™ Pro AC

Characteristics

Silver plated Socket-outlet
Schneider Electric

E.V.READY

CE

PEP ecoPASSPORT®

Environmental Data Program

RoHS compliant
Reach compliant

Certification

EVlink Pro AC has been certified according the IEC 61851-1 ed3.0 standard by the DEKRA certification body

Standards

IEC/EN 61851-1 Ed 3.0
IEC/EN 62196-1 Ed 2.0 - IEC/EN 62196-2 Ed 1.0
IEC 60364-7-722 Ed.2
IEC 62955 ed. 1.0
2014/53/UE RE Directive compliant
EMC IEC 61851-21-2
EMC EN 301 489-1 V2.1.1 - EN 301 489-17 V3.1.1
Upgradable to ISO 15118 Plug and Charge
EV Ready
ISO15118-2 and ISO15118-3

Power supply network

- 220 - 240 V AC single-phase – 50/60 Hz for 7.4 kW charging stations
- 380 - 415 V AC three-phase – 50/60 Hz for 11 and 22 kW charging stations

Earthing system

- TT, TN-S, TN-C-S
- 3 phases versions with embedded RCD (A or B) are not compliant with single phase distribution or 3x230 Vac (ph-ph) distribution
- EVlink Pro AC is compatible with IT single-phase network only, and is not compatible with 400V 3-phase IT network

Rated charging current

- T2S socket outlet with shutters and silver-plated contacts: 16 A to 32 A (factory setting: 32 A)
- TE or TF domestic socket-outlet: 10 A
- T2 attached cable, length 5 meters: 16 A to 32 A
- Socket-outlet on the front

Mechanical and environmental characteristics

- Ingress protection code: suitable for indoor and outdoor use
  - IP55 with T2S socket-outlet
  - IP55 with attached cable
  - IP54 with domestic socket
- Impact protection code: IK10
- Ambient air temperature for operation: -30°C to +50°C (+40°C for EVlink Pro AC with embedded RCD type Asi)
- Ambient air temperature for storage: -40°C to +80°C (+70°C for EVlink Pro AC with embedded RCD type Asi)
- Energy management options:
  - via digital inputs: limited current, postponed/suspended charge,
  - dynamic energy management combined with TIC interface with French utility meter or universal energy meter
- EV presence detection via digital input

Access control modes

- Free access
- User authentication through RFID or NFC badge
  - NFC 13.56 MHz reader compatible with type 1, 2, 4 and 5 badges
  - RFID reader:
    - conforming to ISO/IEC 14443 A and B and ISO/IEC 15693 protocols,
    - compatible with Mifare Ultralight, Mifare Classic, Mifare Plus

Embedded protection and metering

(depending on commercial references)

- Earth leakage protection: RDC-DD 6 mA + RCD type Asi 30 mA or RCD type B-EV
- Undervoltage tripping auxiliary MNx
- MID energy meter
- Metering board and CTs 1% accuracy

Easy to install and commission

- Wall mounting or floor standing
- 1 or 2 charging stations on the same pedestal
- Parameter setting through eSetup app via Bluetooth or EcoStruxure EV Charging Expert

Versatile connection to a supervision

- Wired Ethernet: 2 ports (1 for daisy chain)
- Connection through embedded or external 3G/4G modem as an accessory
- OCPP 1.6 Json Smart Charging interface. OCA certification in progress
- With module EVA1M8, compliance with ISO15118-2 and -3 without Plug and charge

Services

- Worldwide customer care center
- Additional 1- or 3-year Warranty Extension
- On-site or remote commissioning support
- Services Plan
- Schneider Electric manufactured spare parts
- Advanced on-site training
- Worldwide network of partners providing on-site installation, commissioning and maintenance services

Charging station commercial references

EVlink Pro AC

Commercial references [1] [2][7]	Type of socket	Domestic socket	Output current	Power kW	Number of phases	Embedded protection	Embedded protection [4]	Protection supplied	Embedded MID meter [6]
EVB3S07NC0	Att T2 [5]	-	32 A	7.1	1PH	RDC-DD 6 mA	MNx	-	-
EVB3S07N40M	T2S	-	32 A	7.4	1PH	RDC-DD 6 mA	MNx	-	Yes
EVB3S07N40EM	T2S	TE	32 A	7.4	1PH	RDC-DD 6 mA	MNx	-	Yes
EVB3S07N4AM	T2S	-	32 A	7.4	1PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	Yes
EVB3S07N4EAM	T2S	TE	32 A	7.4	1PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	Yes
EVB3S07NCAM	Att T2 [5]	-	32 A	7.4	1PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	Yes
EVB3S07N4A	T2S	-	32 A	7.4	1PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	-
EVB3S07N4EA	T2S	TE	32 A	7.4	1PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	-
EVB3S07NCA	Att T2 [5]	-	32 A	7.4	1PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	-
EVB3S07N4E1	T2S	TE	32 A	7.4	1PH	RDC-DD 6mA	-	-	-
EVB3S07N41	T2S	-	32 A	7.4	1PH	RDC-DD 6mA	-	-	-
EVB3S11N4A	T2S	-	16 A	11	3PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	-
EVB3S11NCA	Att T2 [5]	-	16 A	11	3PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	-
EVB3S11N4FB	T2S	TF	16 A	11	3PH	RCD B EV	MNx	-	-
EVB3S22NC0	Att T2 [5]	-	32 A	22	3PH	RDC-DD 6mA	MNx	-	-
EVB3S22N4	T2S	-	32 A	22	3PH	RDC-DD 6 mA	MNx	-	-
EVB3S22N4E	T2S	TE	32 A	22	3PH	RDC-DD 6 mA	MNx	-	-
EVB3S22N4A	T2S	-	32 A	22	3PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	-
EVB3S22NCA	Att T2 [5]	-	32 A	22	3PH	RDC-DD 6 mA + RCD Asi 30 mA	MNx	-	-
EVB3S22N4EA	T2S	TE	32 A	22	3PH	RDC-DD 6 mA+ RCD Asi 30 mA	MNx	-	-
EVB3S22N4B	T2S	-	32 A	22	3PH	RCD B EV	MNx	-	-
EVB3S22NCB	Att T2 [5]	-	32 A	22	3PH	RCD B EV	MNx	-	-
EVB3S22N4EB	T2S	TE	32 A	22	3PH	RCD B EV	MNx	-	-
EVB3S22N4FB	T2S	TF	32 A	22	3PH	RCD B EV	MNx	-	-
EVB3S22N4E1	T2S	TE	32 A	22	3PH	RDC-DD 6mA	-	-	-
EVB3S22N41	T2S	-	32 A	22	3PH	RDC-DD 6mA	-	-	-
EVB3S22N40M	T2S	-	32 A	22	3PH	RDC-DD 6 mA	-	-	Yes
EVB3S22N40EM	T2S	TE	32 A	22	3PH	RDC-DD 6 mA	-	-	Yes
EVB3S22N40FM	T2S	TF	32 A	22	3PH	RDC-DD 6 mA	-	-	Yes
EVB3S22NC0M	Att T2 [5]	-	32 A	22	3PH	RDC-DD 6 mA	-	-	Yes
EVB3S22N40MR [3]	T2S	-	32 A	22	3PH	-	-	RCD B EV+MNx	Yes

1) Cable for T2S charger available as an accessory
(2) Includes 1 RFID badge
(3) Recommended for metallic charger, this specific charging station only measures the power consumption of the electric vehicle
(4) An MNx under voltage tripping auxiliary is mandatory in case of charging station damage following a downstream short circuit
(5) Attached cable with T2 connector
(6) MID certified energy meter, IEC accuracy class 1, B (active)
(7) All 3-phase references can be wired as 1-phase except those with embedded RCDs

Protections with EVlink Pro AC

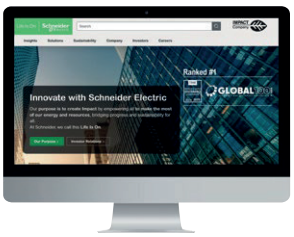
Description			
Charging	Single-phase	Three-phase	
Rated Power - Current	7.4 kW - 32 A [2]	11 kW - 16 A [2]	22 kW - 32 A [2]
Protection			
Circuit breaker (overcurrent) [1]	40 A Curve C	20 A Curve C	40 A Curve C
Delayed start			
Relay	With normally open contact [3]		
Temporary current limitation			
Relay	With normally open contact [3]		

(1) References to be defined and local availability to be checked by Schneider Electric front offices.
(2) With or without domestic socket.
(3) EVlink Pro AC setting can be changed to "normally closed" if necessary, with the eSetup commissioning app.

Technical documentation
Please refer to bibliography in Appendix

Practical information

Charging station tools



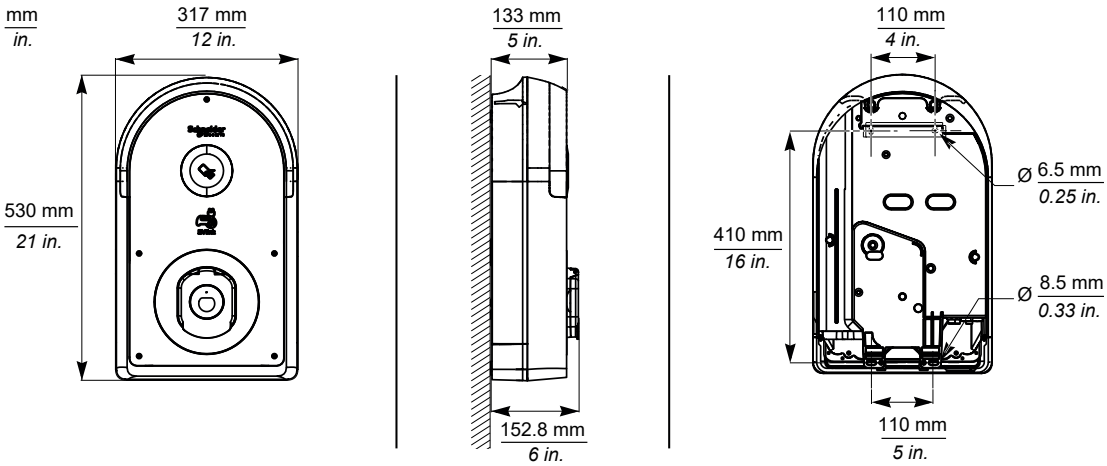
EcoStruxure Charging Configuration Tool

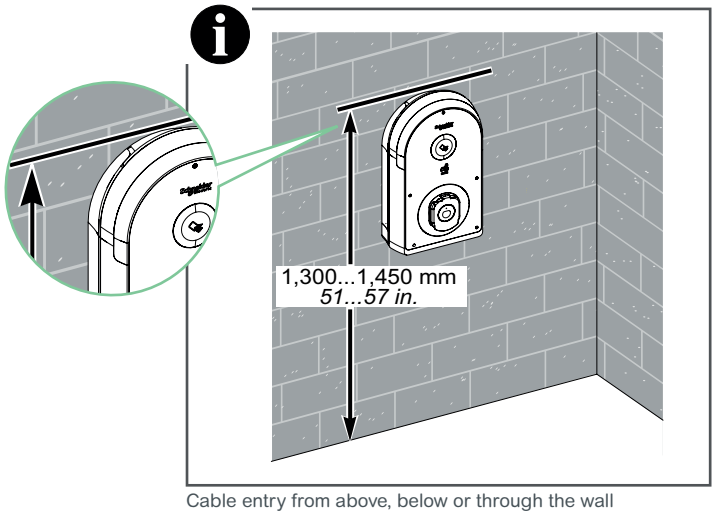
An easy-to-use PC based tool to perform local or remote maintenance tasks on EVlink Pro AC and Schneider Charge Pro through a simple and intuitive laptop interface.

Download it on se.com

Practical information

EVlink Pro AC dimensions





Cable entry from above, below or through the wall

Watch the video

Watch all the videos

With T2S socket outlet	With T2 attached cable
≈ 7.2 kg (15.43 lb)	≈ 10 kg (22.05 lb)

EVlink™ Pro AC Metal

Characteristics


EVA1RWKS1


EVA1RFKS1


EVA1RFKS2

Extensive choice

Features

The EVlink Pro AC Metal charger is sold as a kit and it is available as:
- Wall mounted 1 charge point
- Floor standing 1 or 2 charge points

Design

Refer to page 44 for assembly details.

Power supply network

- Same as EVlink Pro AC

Mechanical and environmental characteristics

- Charging station: same as EVlink Pro AC
- IP3X Metal enclosure
- IP65 Mureva enclosure
- IP66 PanelSeT enclosure

Access control modes

- Same as EVlink Pro AC

Services

- Same as EVlink Pro AC

RoHS compliant
Reach compliant

Standards

IEC/EN 61851-1 ed 3.0
EMC IEC 61851-21-2
IEC/EN 62196-1 ed 2.0
IEC/EN 62196-2 ed 1.0
Enclosures IEC/EN 60529

Technical documentation
Please refer to bibliography in Appendix

EVlink™ Pro AC Metal

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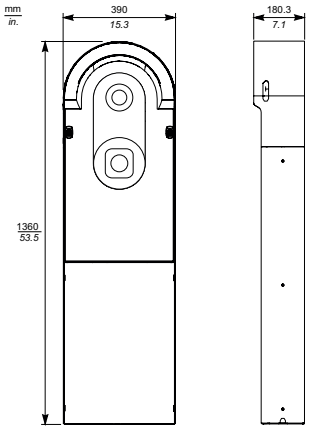
Yenilikçi bina teknolojileri

Practical information

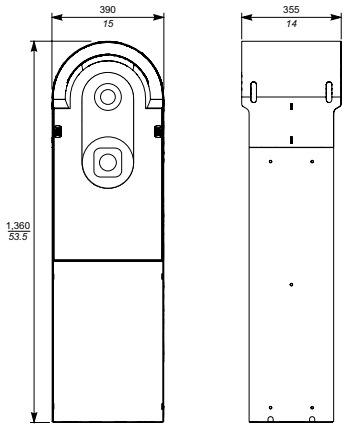
EVlink Pro AC Metal assembly time

EVlink Pro AC Metal	Average assembly time
Floor standing 2 charge points	90 to 110 min
Floor standing 1 charge point	50 to 70 min
Wall mounted 1 charge point	50 to 70 min

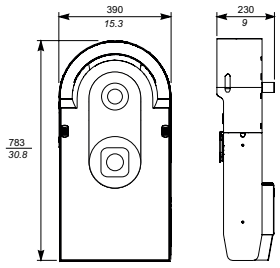
EVlink Pro AC Metal dimensions



FS1CP: floor standing 1 charge point
EVA1RFKS1



FS2CP : floor standing 2 charge points
EVA1RFKS2



WM1CP: wall mounted 1 charge point
EVA1RWKS1

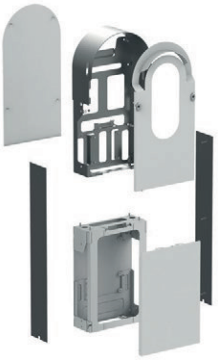
Watch the video

≈ 7.2 kg
(15.43 lb)

EVlink Pro AC

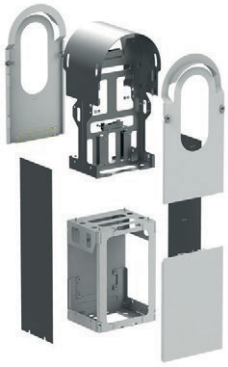
≈ 26 kg
(79.36 lb)

EVA1RWKS1



≈ 40 kg
(134.48 lb)

EVA1RFKS1



≈ 61 kg
(176.37 lb)

EVA1RFKS2

EVlink Pro AC metallic kits

All EVlink Pro AC charging stations can be assembled in any metallic kit.

Part number	Description
EVA1RWKS1	EVlink metallic kit for AC wall mounted 1 charge point
EVA1RFKS1	EVlink metallic kit for AC floor standing 1 charge point
EVA1RFKS2	EVlink metallic kit for AC floor standing 2 charge points

Enclosures

Depending on the protection chosen to be embedded into the EVlink Pro AC Metal charger, the installation of an enclosure (Mureva or PanelSeT) may be necessary.
Refer to the configuration tables on the next pages.

Mureva 13960M

PanelSeT EVA1RFKES

Part number	Description
Mureva IP65 1 x 12 modules of 18 mm - 267 x 200 x 112 mm to install in the EVlink Pro AC metal WM 1CP or FS 1CP and 2 CP	
13979	No terminals
13960M	T terminals
13444	T/N terminals
PanelSeT to install in the EVlink Pro AC FS2CP base for one cable entrance up to 35 mm²	
EVA1RFKES	• 25 and 35 mm²- IP66 270x360x180mm • 1 Telequick plate • 2 DIN rail 240 mm max • 4 fixing brackets • Cable glands: 2xM32, 1xM12, 1x5G25/5G36

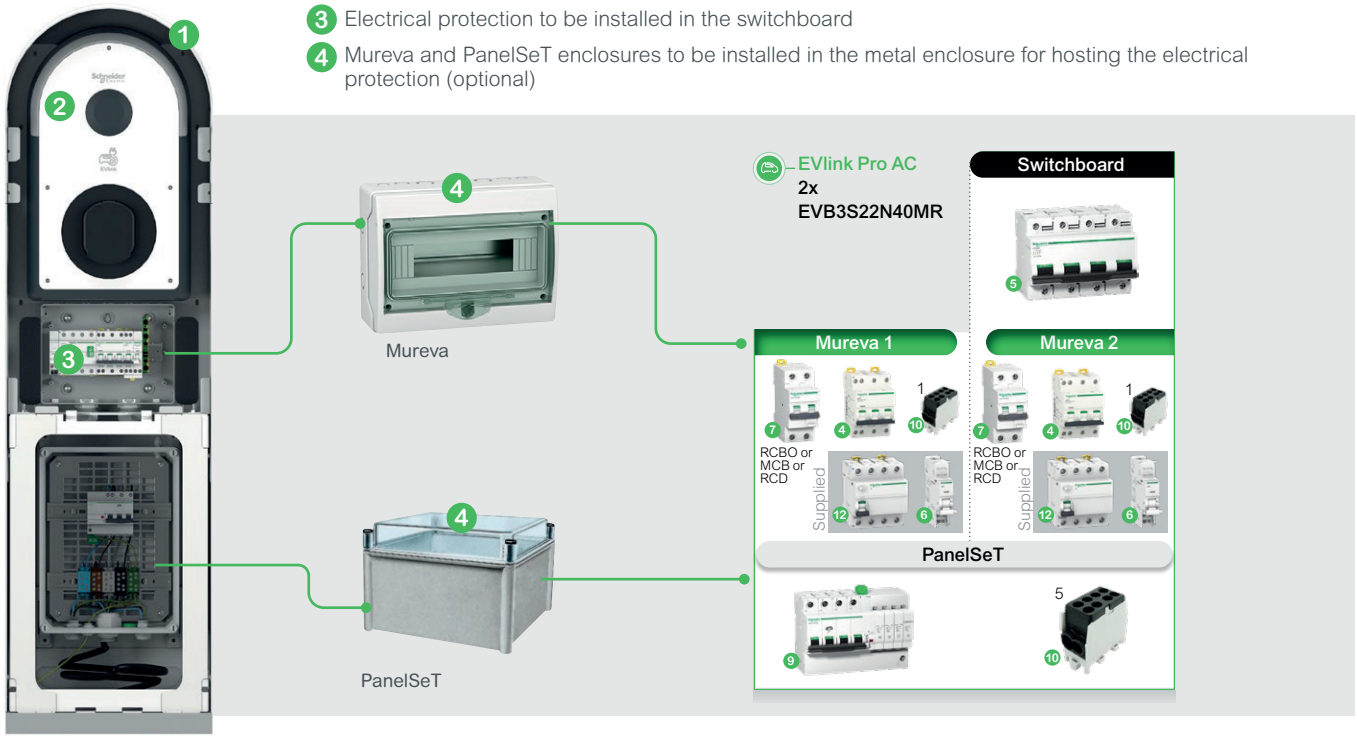
EVlink™ Pro AC Metal

EVlink Pro AC Metal assembly criteria

Wall mounted, floor standing, 1-or 2 charge points

EVlink Pro AC Metal is designed to be handled, assembled and installed by only one person.
The necessary components for assembling the EVlink Pro AC Metal are the following:

1. A metallic kit enclosure: wall mounted for 1 charge point or floor standing for 1 or 2 charge points
2. EVlink Pro AC charging station to be installed inside the metal enclosure, various commercial reference possibilities (see details on p 27)
3. Electrical protection to be installed in the switchboard
4. Mureva and PanelSeT enclosures to be installed in the metal enclosure for hosting the electrical protection (optional)



Legend


1 MCB 1P+N 40 A


2 MCB 2P 80 A


3 MCB 3P+N 20 A


4 MCB 3P+N 40 A


5 MCB 4P 80 A


6 MNx


7 RCBO


8 SPD 1P+N


9 SPD 3P+N


10 Terminal connector 25 mm²


11 Type Asi RCD monophasé


12 Type Asi RCD triphasé


13 Type B RCD triphasé

EVlink™ Pro AC Metal

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Yenilikçi bina teknolojileri

One-Cable, One-Charger

EVlink Pro AC
EVB3S22N40MR

Switchboard

Mureva

Supplied

EVlink Pro AC
EVB3S22N4A or
EVB3S22N4B or
EVB3S22NCA or
EVB3S22NCB or
EVB3S22N4EB or
EVB3S22N4FB or
EVB3S22N4EA

Switchboard

Mureva

EVlink Pro AC
EVB3S22N40M or
EVB3S22NC0M or
EVB3S22N40EM or
EVB3S22N40FM

Switchboard

Mureva

Supplied

EVlink Pro AC
EVB3S07N40M or
EVB3S07N40EM

Switchboard

Mureva

Supplied

EVlink Pro AC
EVB3S22N4 or
EVB3S22N4E or
EVB3S22NC0

Switchboard

Mureva

EVlink Pro AC
EVB3S07NC0

Switchboard

Mureva

EVlink Pro AC
EVB3S11N4A or
EVB3S11NCA or
EVB3S11N4FB

Switchboard

Mureva

EVlink Pro AC
EVB3S07N4A or
EVB3S07NCA or
EVB3S07N4EA or
EVB3S07N4AM or
EVB3S07NCAM or
EVB3S07N4EAM

Switchboard

Mureva

EVlink Pro AC
EVB3S22N41 or
EVB3S22N4E1

Switchboard

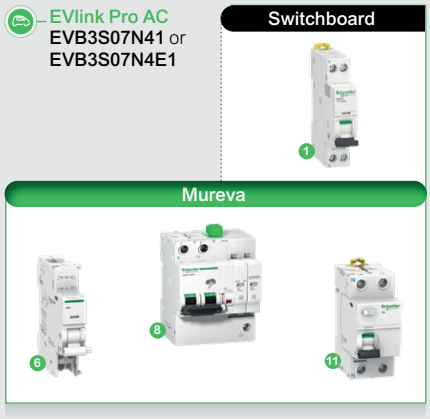
Mureva

1. MCB 1P+N 40 A
2. MCB 2P 80 A
3. MCB 3P+N 20 A
4. MCB 3P+N 40 A
5. MCB 4P 80 A
6. MNx
7. RCBO
8. SPD 1P+N
9. SPD 3P+N
10. Terminal connector 25 mm²
11. Type Asi RCD monophasé
12. Type Asi RCD triphasé
13. Type B RCD triphasé

EVlink™ Pro AC Metal

One-Cable, One-Charger

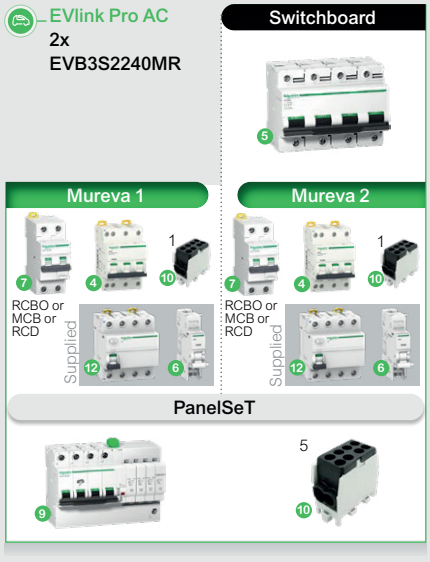
EVlink Pro AC
EVB3S07N41 or
EVB3S07N4E1



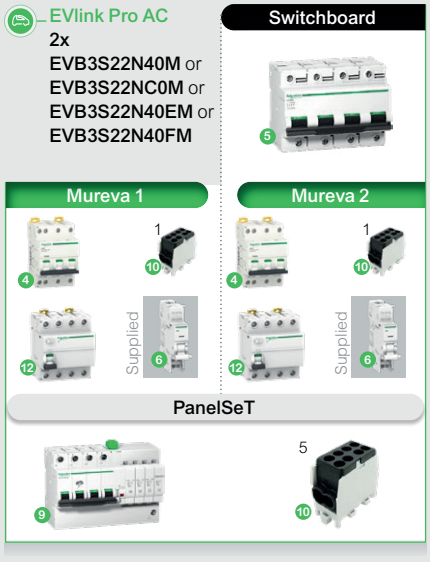
1. MCB 1P+N 40 A
2. MCB 2P 80 A
3. MCB 3P+N 20 A
4. MCB 3P+N 40 A
5. MCB 4P 80 A
6. MNx
7. RCBO
8. SPD 1P+N
9. SPD 3P+N
10. Terminal connector 25 mm²
11. Type Asi RCD monophasé
12. Type Asi RCD triphasé
13. Type B RCD triphasé

One-Cable, Two-Chargers

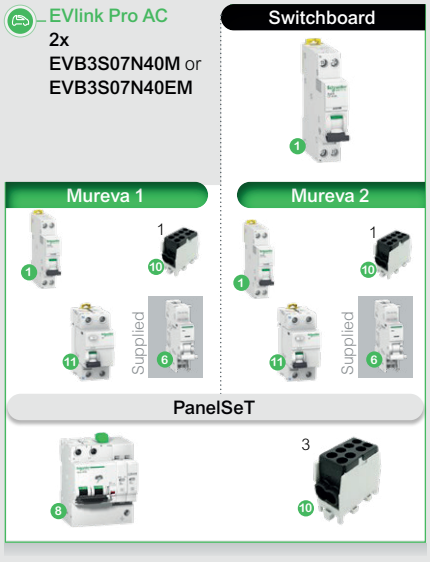
EVlink Pro AC
2x
EVB3S2240MR



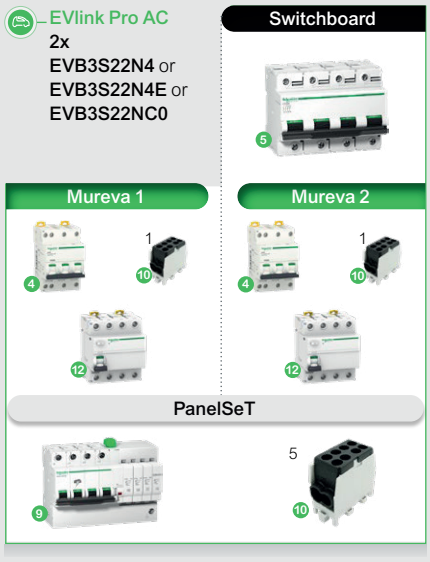
EVlink Pro AC
2x
EVB3S22N40M or
EVB3S22NC0M or
EVB3S22N40EM or
EVB3S22N40FM



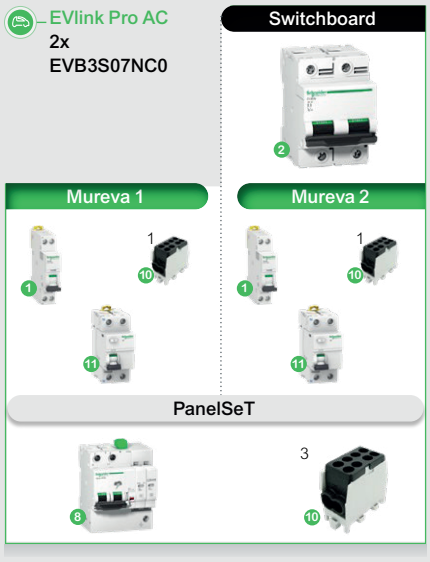
EVlink Pro AC
2x
EVB3S07N40M or
EVB3S07N40EM



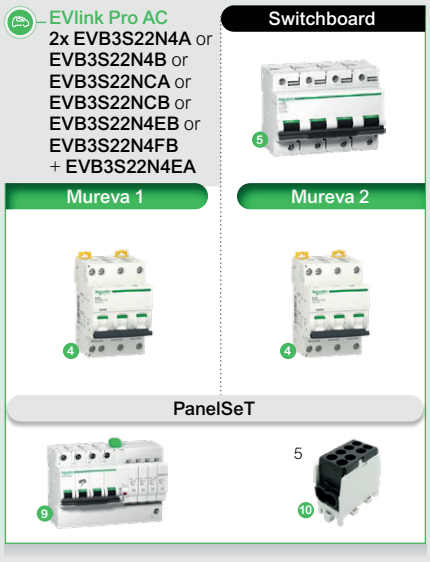
EVlink Pro AC
2x
EVB3S22N4 or
EVB3S22N4E or
EVB3S22NC0



EVlink Pro AC
2x
EVB3S07NC0



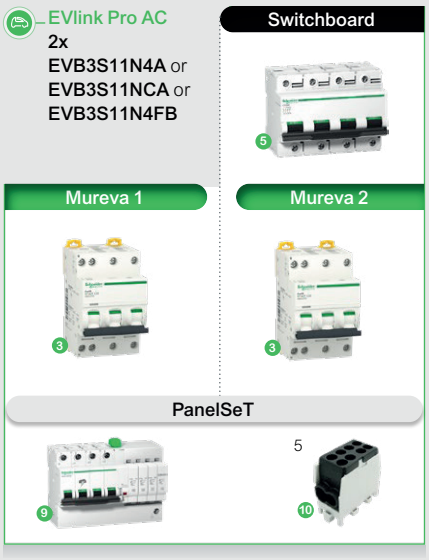
EVlink Pro AC
2x EVB3S22N4A or
EVB3S22N4B or
EVB3S22NCA or
EVB3S22NCB or
EVB3S22N4EB or
EVB3S22N4FB
+ **EVB3S22N4EA**



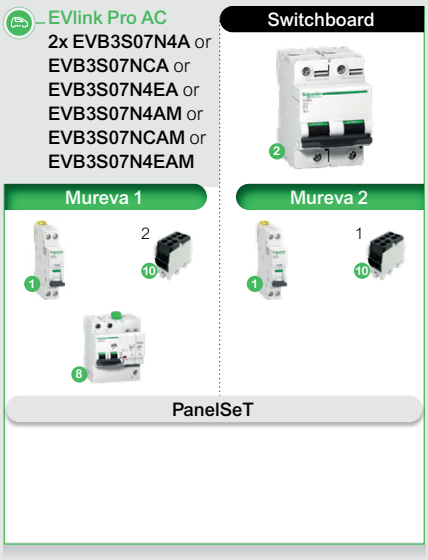
EVlink™ Pro AC Metal

One-Cable, Two-Chargers

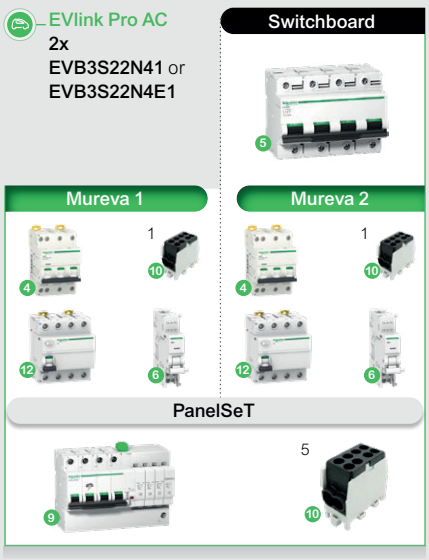
EVlink Pro AC
2x
EVB3S11N4A or
EVB3S11NCA or
EVB3S11N4FB



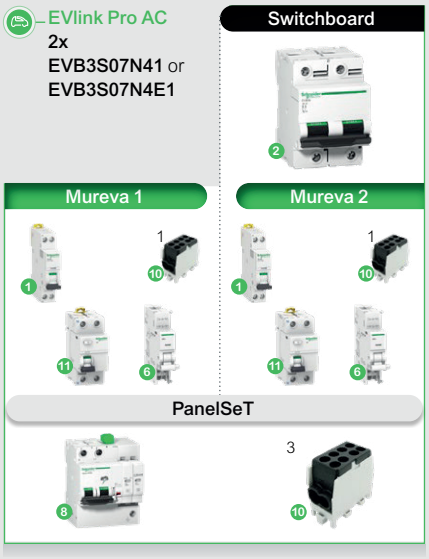
EVlink Pro AC
2x EVB3S07N4A or
EVB3S07NCA or
EVB3S07N4EA or
EVB3S07N4AM or
EVB3S07NCAM or
EVB3S07N4EAM



EVlink Pro AC
2x
EVB3S22N41 or
EVB3S22N4E1



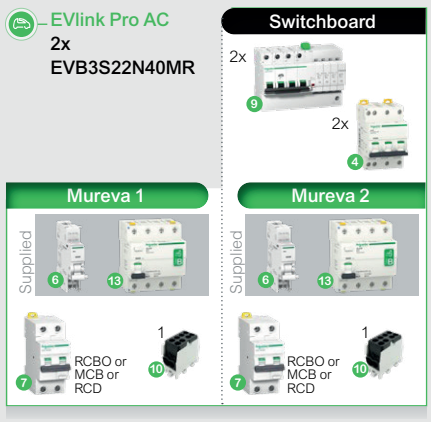
EVlink Pro AC
2x
EVB3S07N41 or
EVB3S07N4E1



1. MCB 1P+N 40 A
2. MCB 2P 80 A
3. MCB 3P+N 20 A
4. MCB 3P+N 40 A
5. MCB 4P 80 A
6. MNx
7. RCBO
8. SPD 1P+N
9. SPD 3P+N
10. Terminal connector 25 mm²
11. Type Asi RCD monophasé
12. Type Asi RCD triphasé
13. Type B RCD triphasé

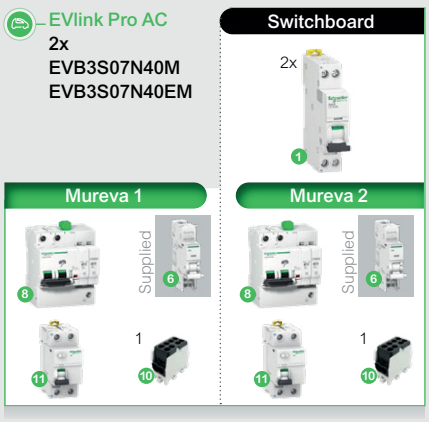
Dual cable entrance, Two-Chargers

EVlink Pro AC
2x
EVB3S22N40MR



EVlink Pro AC
2x
EVB3S22N40M or
EVB3S22NC0M or
EVB3S22N40EM or
EVB3S22N40FM

EVlink Pro AC
2x
EVB3S07N40M
EVB3S07N40EM



EVlink™ Pro AC Metal

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Yenilikçi bina teknolojileri

Dual cable entrance, Two-Chargers

EVlink Pro AC
2x
EVB3S22N4 or
EVB3S22N4E or
EVB3S22NC0

Switchboard

Mureva 1 | Mureva 2

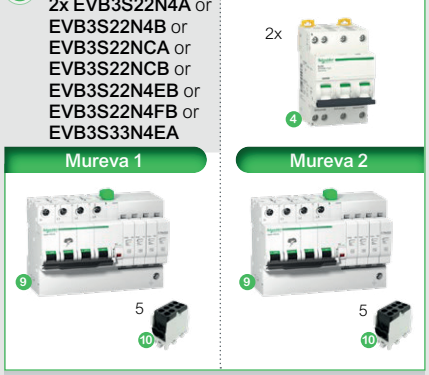
EVlink Pro AC
2x
EVB3S07NC0

Switchboard

Mureva 1 | Mureva 2

EVlink Pro AC
2x EVB3S22N4A or
EVB3S22N4B or
EVB3S22NCA or
EVB3S22NCB or
EVB3S22N4EB or
EVB3S22N4FB or
EVB3S33N4EA

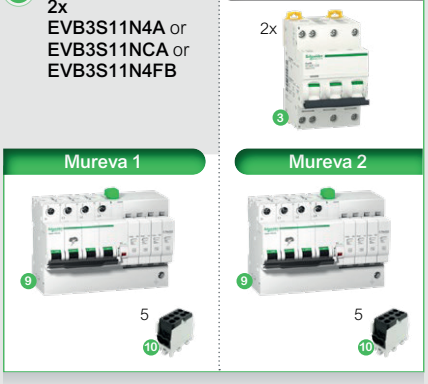
Switchboard



Mureva 1 | Mureva 2

EVlink Pro AC
2x
EVB3S11N4A or
EVB3S11NCA or
EVB3S11N4FB

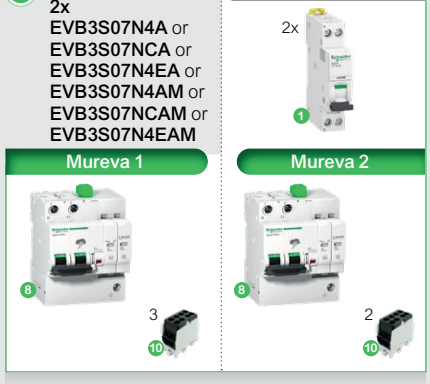
Switchboard



Mureva 1 | Mureva 2

EVlink Pro AC
2x
EVB3S07N4A or
EVB3S07NCA or
EVB3S07N4EA or
EVB3S07N4AM or
EVB3S07NCAM or
EVB3S07N4EAM

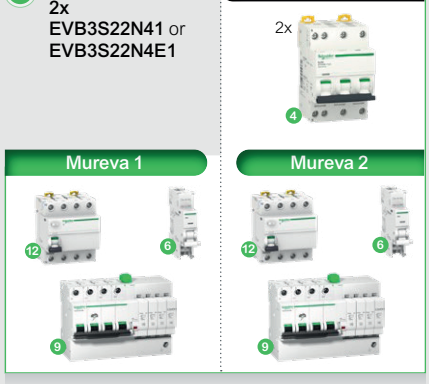
Switchboard



Mureva 1 | Mureva 2

EVlink Pro AC
2x
EVB3S22N41 or
EVB3S22N4E1

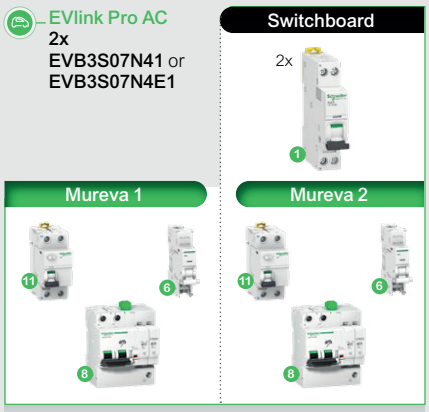
Switchboard



Mureva 1 | Mureva 2

EVlink Pro AC
2x
EVB3S07N41 or
EVB3S07N4E1

Switchboard



Mureva 1 | Mureva 2

1. MCB 1P+N 40 A
2. MCB 2P 80 A
3. MCB 3P+N 20 A
4. MCB 3P+N 40 A
5. MCB 4P 80 A
6. MNx
7. RCBO
8. SPD 1P+N
9. SPD 3P+N
10. Terminal connector 25 mm²
11. Type Asi RCD monophasé
12. Type Asi RCD triphasé
13. Type B RCD triphasé

Technical documentation
Please refer to bibliography in Appendix

Customization

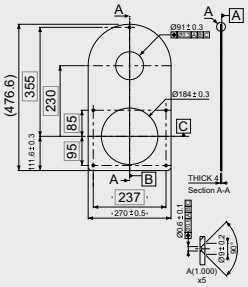
The EVlink Pro AC customization can be executed through local partners with the help of the product drawings below.

EVlink Pro AC

- The front plate can be customized.
- The material is PC BAYLOY 10 UV white 3.

EVlink Pro AC Metal

- The metallic enclosure can be customized.
- The material is electrogalvanized steel.



Schneider Electric provides the 2D plan with dimensions to produce the customized sticker se.com/EVlink.

EVlink™ Pro AC

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EVlink Pro AC solutions

EVlink Pro AC to measure the consumption of the EV only

A specific commercial reference is available with power and control supply separated and embedded MID meter.

EVB3S22N40MR

Commercial reference	EVB3S22N40MR
Type of socket	T2S
Current output	32 A
Power kW	22
Number of phases	3 PH
Protection supplied	RCD B EV+MNx
MID inside	Yes

EVlink Pro Pay payment kiosk

EVlink Pro Pay offers an ad-hoc payment kiosk that can manage up to 15 charging points, is compliant with AFIR regulation and can be integrated with Charging Station Supervision System*.

EVPROPAY

Environmental Data Program

RoHS compliant
Reach compliant

Payment	Contactless payment, PIN entry Digital receipt via QRcode VISA, Vpay, Mastercard, Maestro, Apple/Google Pay
Installation	Wall mounted or floor standing Robust (Pro Metal kit)
Mechanical and environmental characteristics	IP 55 IK 9
Power Supply	230V, 50hz
Certifications	CE, UK Standards - IEC62368-1 Payment terminal - PCI PTS 6.X

Contact your local sales representative for more details on the payment kiosk solution. Please note that additional actions with payment service provider and payment terminal manufacturer are required to process payment transactions. Check with your CSMS provider that they support Payter Apollo terminals in kiosk mode.

* Check with your CSMS provider that they support Payter Apollo terminals in kiosk mode.

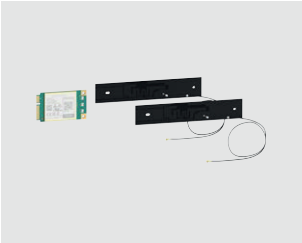
Range accessories and spare parts

Accessories

EVlink Pro AC and Pro AC Metal

4G Kits

4G embedded modem dedicated for architecture up to 10 EVlink Pro AC
- Cost-efficient solution for remote monitoring applications
- 1 device to manage wireless communication of up to 10 charging stations
- Compact and directly integrated inside the charging station.



Embedded 4G modem with 2 internal antennas for EVlink Pro AC.
Reference: **EVA1MS**

Embedded 4G modem with an external antenna for EVlink Pro AC Metal
Reference: **EVA1MM**

External modem for architecture with more than 10 EVlink Pro AC and/or EcoStruxure EV Charging Expert Manage wireless communication of large infrastructure and installation requiring load management.

External modem with antenna
Modem reference: **EVP3MM**
Antenna reference: **EVP2MX**

Pack of 10 RFID badges

For charging stations equipped with an RFID reader. The badges are supplied blank, ready to be programmed to identify an administrator or user. Sheet of adhesive labels for badges: 1 administrator + 9 users.
Reference: **EVP1BNS**

TIC interface

Energy management: Smart meter connection to Historical and Standard TIC Tele Information Client card EVlink interface with French utility meters.
Reference: **EVA1MTH**

EVlink Cable

To connect the car to the charging station. Available in different lengths with a T2 connector.

Please refer to page 53

EVlink Pro AC

Pedestal mounting pole

Floor standing:
- for 1 EVlink Pro AC,
  Reference: **EVA1PBS1**
  H 1300 x W 285 x D 229 mm
- for 2 EVlink Pro AC,
  Reference: **EVA1PBS2**
  H 1300 x W 285 x D 384 mm
- Plate to convert the pedestal for 1 charger to a pedestal for 2 chargers.
  Reference: **EVA1PCS2**

Permanent cable locker

To keep the cable attached permanently to the charging station.
Reference: **EVA1PLS1**

ISO15118 communication module for AFIR compliance

ISO15118 Module for EVlink pro AC
Reference: EVA1M8

Range accessories and spare parts

Accessories

EVlink Pro AC Metal Kit accessories

Cable holder

Allows the cable to be left connected on the side charging station.
The cable holder is mandatory for charging stations with attached cable.
In case of charging station with socket, it can allow to lock the accessory cable.
Reference: **EVA1FWHS12**

Locking accessory

Polyamid handle lock, mainly for cybersecurity purpose, direct mounting on front plate.
1 cylindrical barrel, 2 keys Nr 610, 1 handle with key lock.
Reference: **NSYCL610CSX**
Quantity:
2 for WM1CP, or 2 for FS1CP, or 4 for FS2CP

Spare part references

EVlink Pro AC front plate	Reference
	**EVP1SS**

EVlink Pro AC front plate with cut-out window	Reference
 Designed with a cut-out window enabling to see the embedded MID meter inside EVlink Pro AC.	**EVP1SM**

EVlink Pro AC front cover with light strip	Reference
	**EVP1SCL**

EVlink Pro AC and Pro AC Metal - Socket outlets		References
	1PH socket outlet T2S	**EVP1SSS41**
	3PH socket outlet T2S	**EVP1SSS43**
	1PH socket outlet T2S - Domestic TE	**EVP1SSS51**
	3PH socket outlet T2S - Domestic TE	**EVP1SSS53**
	3PH socket outlet T2S - Domestic TF	**EVP1SSS63**

EVlink Pro AC and Pro AC Metal - Attached cables		References
T2 charging connector		
	T2 attached cable 1PH 32 A 5 m length	**EVP1CSS321C**
	T2 attached cable 3PH 32A 5m length	**EVP1CSS323C**

Technical documentation
Please refer to bibliography in Appendix

Cables for EVlink™ for AC charging stations

Characteristics

Type 2 (T2)

- Tested and certified product: Third-party laboratory CB certification (LCIE) complies with the applicable standard IEC 62196
- Fast charging (Mode 3)
- High-strength cable

Characteristics

- Length: available in 5, 7 and 10 m
- Max. current: 32 A
- Operating temperature: -30°C to +50°C
- Degree of protection: IP44.

Two good reasons to have a second EVlink cable in your electric vehicle

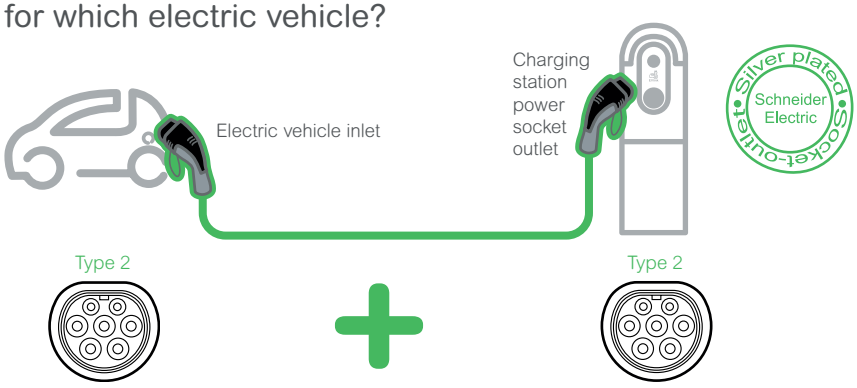
1. To take advantage of the charging capacity of public charging stations: by having an appropriate EVlink cable for the charging stations used, you obtain fast charging with integrated protection(1).

2. To have a fallback solution.

E.g. charging cable damaged or misplaced, or to help out another electric vehicle user.

Which EVlink cable

for which electric vehicle?



References	No. of phases		Charging power accepted (kW)				Cable length
	1	3	3.7	7.4	11	22	(m)
EVP1CNS32122	●		●	●			5
EVP1CNL32122	●		●	●			7
EVP1CNX32122	●		●	●			10
EVP1CNS32322		●	●	●	●	●	5
EVP1CNL32322		●	●	●	●	●	7
EVP1CNX32322		●	●	●	●	●	10

T2 + T2

(1) Learn more on the Wiki guide for Electric Vehicle charging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EVlink™ Pro DC

Electric vehicle charging stations

EVlink Pro DC 60

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In short

EVD1S60TBB - EVD1S60TBB-AN
with pedestal EVP1DB3LG

Environmental Data Program

RoHS compliant
Reach compliant

Standards

EV international standard: EN 61851-1 Ed. 3 IEC/ EN 61851-23 – Ed. 1
EV connector international standard: IEC/EN IEC62196-1 & IEC62196-3
Immunity for industrial environment: EN 61000-6-2
Emission for industrial environment: EN 61000-6-4
EMC for industrial environment: Class A.
Radio certification
RFID/NFC: EN 300 330 V2.1.1
4G: EN 301 908 -13 V13.1.1
Wi-Fi: EN 300 328 V2.2.2 - EN 301 893
RED DA EN 18031-1/2/3: 2024
EMC radio Equipment EN 301 489-1 V2.2.0
RFID/NFC: EMC EN 301 489-3 V2.1.1
4G: EMC EN 301 489-52 V1.1.0
Wi-Fi: EMC EN 301 489-17 V2.1.1

Charging station offer

EVlink Pro DC DC 60 is a compact charger able to be install on a wall or pedestal. It exits in various combinations.

- 2 connectors, CCS Combo 2 + CCS Combo 2
- 2 connectors, CHAdeMO + CCS Combo 2

DC 60 kW with 2 vehicle connectors is cable to charge one vehicle up to 60 kW or simultaneously two vehicles at 30 kW each.

Easy to install

- Indoor or outdoor
- Wall mounted or floor mounted with additional pedestal
- Installation in less than 2 hours (when supply cable is already installed)

Mechanical and environment features

- Degree of protection: IP55
- Degree of mechanical protection: IK10 – IK08 for the screen
- Operating temperature: -30°C / +55°C (with derating above 50°C)
- Storage temperature: -40°C to 70°C
- Operating altitude: 2000 m max.
- Relative humidity: 5% to 95%
- Housing corrosion protection C3M
- Charge interrupt button
- Accessible to disable people

Access control modes

- Free Access
- User authentication through:
  - RFID or NFC badge
    - NFC 13,56 MHz reader compatible with type 1, 2, 4 and 5 badges
    - RFID reader:
      - conforming to ISO/CEI 14443 A & B and ISO/CEI 15693 protocols
      - compatible with Mifare Ultralight, Mifare Classic, Mifare Plus
  - Auto-charge (EV MAC address)
  - QR code for CPO application

Services

- Worldwide Customer Care Centre
- Additional 1- or 3-years Warranty Extension
- Onsite commissioning support
- Services Plan
- Schneider Electric manufactured Spare parts
- Advanced training
- Worldwide network of Schneider Electric services representatives providing on-site installation, commissioning and maintenance services
- Connection to Ecostruxure Energy Asset Portal for remote support and troubleshooting provided by Schneider Electric Customer Care Center or field services team.

Application

EVlink Pro DC 60 charging stations are recommended for office buildings and light fleet depot applications.

Watch the video

Characteristics

EVD1S60THB
EVD1S60THB-AN

EVD1S60TBBC7
EVD1S60TBBC7-AN

Power supply network and charging mode

- Power supply: 380 - 400 V - 415 Vac +/- 10% 50/60* Hz
- Poles description: L1+L2+L3+N+PE

Direct current charging (all charging stations)

- Charging in Mode 4 (IEC 61851-23)
- Charging power: CCS Combo 2 and CHAdeMO - 60 kW
- Charging voltage/current:
  - CCS Combo 2 - 150 to 1 000 VDC / 200 A Max
  - CHAdeMO (version 2.0) 150 to 500 VDC / 125 A Max
- Standby power: 50 W
- Protection against overheating, temperature regulated
- Cable range: 3.5 m with cable management; 7 m without cable management
- Efficiency 94.5% at nominal output power
- Power Factor ≥ 0.99 at nominal output power
- THDi ≤ 5% at nominal output power
- Acoustic noise: Variable under load: 0 dB - 65 dB at 1 m in front of the charger

Embedded protection and metering

- MCB
- RCD
- SPD
- Metering: DC Meter class B

Diagram of the earthing system

- TT, TN-S, TN-C-S
- IT (Compatible IT with additional isolating transformer)

Versatile connection to a supervision

- Ethernet
- Wireless 4G modem
- Wi-Fi
- OCPP 1.6Json Smart Charging interface with OCA certification
- ISO15118 / DIN 70121
- LAN/TCP IP protocol
- Modbus TCP

Heavy depot functionalities

- VDV 261 support for eBus pre-conditionning
- Volvo/Renault eTruck wake-up function to be able to restart a charge automatically

User interfaces

- 7-inch touch screen (multi-language support: English, French, German, Norwegian, Spanish, Italian, Danish, Vietnamese, Ukrainian...) Additional languages to be confirmed with your local Schneider Electric sales representative
- Multi-color LED for status indication for each vehicle connector
- User interface customization, (logo, tariff display, charge cost, advertizement screen)

Sensors

- Humidity sensor
- Door sensor
- Tilt sensor

*For Saudi Arabia, please ask your local sales representative.

EVlink Pro DC 60 Assemblies	Dimensions in mm (HxWxD)	Dimensions in inches (HxWxD)
Charging station with Cable management	1204 x 1303 x 339	47.4 x 51.3 x 13.3
Charging station without Cable management	1037 x 802 x 339	40.8 x 31.6 x 13.3
Charging station with Cable management – 740 mm pedestal	1694 x 1303 x 551	66.7 x 51.3 x 21.7
Charging station without Cable management – 740 mm pedestal	1527 x 802 x 551	60.1 x 31.6 x 21.7
Charging station with Cable management – 1 m pedestal	1954 x 1303 x 551	76.9 x 51.3 x 21.7
Charging station without Cable management – 1 m pedestal	1787 x 802 x 551	70.4 x 31.6 x 21.7

EVlink Pro DC 60

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Charging station references

EVlink Pro DC 60							
Power	Connector(s)	References	Weight without power module	Weight with power module	Cable range	Cable management	Frequency
60 kW	CCS2 + CCS2	**EVD1S60TBB** **EVD1S60TBB-AN**	131 kg / 288.2 lb.	161 kg/ 354.2 lb.	3.5 m	Yes	50 Hz
60 kW	CCS2 + CHAdeMO	**EVD1S60THB** **EVD1S60THB-AN**	131 kg / 288.2 lb.	161 kg/ 354.2 lb.	3.5 m	Yes	50 Hz
60 kW	CCS2 + CCS2	**EVD1S60TBBC5**	100 kg / 220 lb.	130 kg/ 286 lb.	5 m	No	50 Hz
60 kW	CCS2 + CHAdeMO	**EVD1S60THBC5**	100 kg / 220 lb.	130 kg/ 286 lb.	5 m	No	50 Hz
60 kW	CCS2 + CCS2	**EVD1S60TBBC7** **EVD1S60TBBC7-AN**	108 kg / 237 lb.	138 kg/ 304 lb.	7 m	No	50 Hz

Current information and protections

Current information and protections to use with EVlink Pro DC 60		
Current		
Power		**60 kW**
	Rated current	**97 A**
	Max. current	**107 A**
Electrical protection		
	Circuit Breaker (Overcurrent) Schneider ElectricTM reference*	**3P+N or 4P** **Acti9 C120 4P 125 A, curve C + Acti9 vigi C120 4P 30mA type A-SI (Optional RCD Protection)**

*To check availability, please contact Schneider Electric front offices.

Accessories

EVA1D60S01

EVP1DB4LG
EVP1DB6LG

EVP1DB3LG
EVP1DB5LG

How to install an EVlink Pro DC 60 charging station on a wall

Watch the video

How to Install a floor-standing EVlink Pro DC 60 charging station

Watch the video

EVlink Pro DC 60					
References	Description	Height	Width	Depth	Weight
EVP1BNS	10 RFID badges				
EVP1DB3LG	Pedestal to use with EVD1S60TBB or EVD1S60TBBC5 or EVD1S60TBBC7	740 mm	341 mm *13.4 in*	454 mm *17.9 in*	11 kg *24.2 lb*
EVP1DB4LG	Pedestal to use with EVD1S60TBB or EVD1S60TBBC5 or EVD1S60TBBC7	1000 mm	341 mm *13.4 in*	454 mm *17.9 in*	13 kg *28.6 lb*
EVP1DB5LG	Pedestal to use with EVD1S60THB or EVD1S60THBC5	740 mm	341 mm *13.4 in*	454 mm *17.9 in*	11 kg *24.2 lb*
EVP1DB6LG	Pedestal to use with EVD1S60THB or EVD1S60THBC5	1000 mm	341 mm *13.4 in*	454 mm *17.9 in*	13 kg *28.6 lb*
EVA1D60S01	Cable management accessory for EVD1S60TBBC5 or EVD1S60THBC5				

Technical documentation
Please refer to bibliography in Appendix

For maintenance services

EcoStruxure Energy Asset Portal - Maintain

A cloud-based solution that enables remote services from our Schneider Electric experts.

EVlink Pro DC 60 v2

In short

EVD2S60TBB-IEC
EVD2S60TBB-AN

Environmental Data Program

RoHS compliant
Reach compliant

Standards

IEC/EN 61851-1 – Ed 3.0
IEC/EN 61851-23/24 – Ed 1.0
EN 61851-23:2014+AC:2016-06
EN 61851-24:2014 + AC:2015
EN IEC 62196-1:2022
EN IEC 62196-3:2022
EN IEC 61851-21-2:2021, EN IEC 61000-6-2:2019,
EN IEC 61000-6-4:2019,
EN 61000-6-4:2007/A1:2011, EN 61000-6-2:2005
EMC Class
Radio certification
RFID/NFC: EN 300 330 V2.1.1(2017-02)
2/3/4G: EN 301 908-1 V15.2.1(2023-01) ; EN 301 908-2 V13.1.1(2020-06) ; EN 301 908-13 V13.2.1(2022-02) ; EN 301 511 V12.5.1(2017-03)
Wi-Fi: EN 300 328 V2.2.2(2019-07)
RED DA EN 18031-1/2/3: 2024
EMC radio equipment
RFID/NFC, 2/3/4G, Wi-Fi: EN 301 489-1 V1.9.2(2011-09), EN 301 489-1 V2.2.3(2019-11), EN 301 489-3 V2.3.2(2023-01), EN 301 489-17 V3.2.4(2020-09), EN 301 489-17 V3.3.1(2024-09), EN 301 489-52 V1.2.1(2021-11), EN 301 489-52 V1.3.1(2024-11)

Charging station offer

EVlink Pro DC 60 kW v2 with 2 vehicle connectors can charge one vehicle up to 60 kW or simultaneously two vehicles at 30 kW each.

Easy to install

- Installation in less than 2 hours (when supply cable is already installed)

Mechanical and environment features

- Degree of protection: IP55
- Degree of mechanical protection: IK10 – IK08 for the screen
- Operating temperature: -30°C / +55°C (with derating above 50°C)
- Storage temperature: -40°C to 70°C
- Operating altitude: 2000 m max.
- Relative humidity: 5% to 95%
- Housing corrosion protection C4M
- Charge interrupt button
- Accessible to disable people

Access control modes

- Free Access
- User authentication through:
  - RFID or NFC badge
    - NFC 13,56 MHz reader compatible with type 1, 2, 4 and 5 badges
    - RFID reader:
      - conforming to ISO/CEI 14443 A & B and ISO/CEI 15693 protocols
      - compatible with Mifare Ultralight, Mifare Classic, Mifare Plus
  - Auto-charge (EV MAC address)
  - QR code for CPO application
  - Embedded payment terminal (option available in Europe and Australia)
  - ISO15118-2 Plug n Charge

Services

- Worldwide Customer Care Centre
- Additional 1- or 3-years Warranty Extension
- Onsite commissioning support
- Services Plan
- Schneider Electric manufactured Spare parts
- Advanced training
- Worldwide network of Schneider Electric services representatives providing on-site installation, commissioning and maintenance services
- Connection to Ecostruxure Energy Asset Portal for remote support and troubleshooting provided by Schneider Electric Customer Care Center or field services team.

Application

EVlink Pro DC 60 v2 charging stations are recommended for public charging such as restaurant, retail and light fleet depot applications

Characteristics

EVD2S60TBB-IEC
EVD2S60TBB-AN

EVD2S60TBBC7-IEC

EVD2S60TBBCC-AN

Power supply network and charging mode

- Power supply: 380 - 400 V - 415 Vac +/- 10% 50/60 Hz
- Poles description: L1+L2+L3+N+PE

Direct current charging (all charging stations)

- Charging in Mode 4 (IEC 61851-23)
- Charging power: CCS Combo 2 - 60 kW
- Charging voltage/current:
  - CCS Combo 2 - 150 to 1 000 VDC / 200 A Max
- Standby power: 36 W
- Protection against overheating, temperature regulated
- Cable range: 3.5 m with cable management; or 7.5 m without cable management
- Power module efficiency up to 97%
- Power Factor ≥ 0.99 at nominal output power
- THDi ≤ 5% at nominal output power
- Acoustic noise: Variable under load: 0 dB to < 51 dB at 1 m in front of the charger

Embedded protection and metering

- MCB
- SPD
- Metering: DC MID Meter class C – Compliant with French LNE DC meter regulation

Diagram of the earthing system

- TT, TN-S, TN-C-S
- IT (Compatible IT with additional isolating transformer)

Versatile connection to a supervision

- Ethernet
- Wireless 4G modem
- Wi-Fi
- OCPP 1.6Json Smart Charging interface
- ISO15118 / DIN 70121
- LAN/TCP IP protocol
- Modbus TCP

Heavy depot functionalities

- VDV 261 support for eBus pre-conditionning
- Volvo/Renault eTruck wake-up function to be able to restart a charge automatically

User interfaces

- 7-inch touch screen (multi-language support: English, French, German, Norwegian, Spanish, Italian, Danish, Vietnamese, Ukrainian...) Additional languages to be confirmed with your local Schneider Electric sales representative
- Multi-color LED for status indication for each vehicle connector
- User interface customization, (logo, tariff display, charge cost, advertisement screen)

Sensors

- Humidity sensor
- Door sensor
- Water ingress sensor
- Tilt sensor
- Fan sensor to detect anomalies of cooling
- Power outage sensor backend notification
- USB-C connector (permit to power a laptop during maintenance operation)

Dimensions (cabinet with Cable management)

- H 1770 x W 1020 x D 470 mm; H 69.68 x W 40.16 x D 18.50 In.

Dimensions (cabinet without Cable management)

- H 1650 x W 700 x D 470 mm; H 64.96 x W 27.56 x D 18.50 In.

EVlink Pro DC 60 v2

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Charging station references

EVlink Pro DC 60 v2							
Power	Connector(s)	References	Weight without power module	Weight with power module	Cable range	Cable management	Payment Terminal
60 kW	CCS2 + CCS2	EVD2S60TBB-IEC EVD2S60TBB-AN	~246 kg / ~542.3 lb.	~276 kg/ ~608.5 lb.	3.5 m	Yes	No
60 kW	CCS2 + CCS2	EVD2S60TBBCC-AN	~246 kg / ~542.3 lb.	~276 kg/ ~608.5 lb.	3.5 m	Yes	Payter Appollo
60 kW	CCS2 + CCS2	EVD2S60TBBC7-IEC	~222 kg / ~489.4 lb.	~252 kg/ ~555.6 lb.	7.5 m	No	No

Current information and protections

Current information and protections to use with EVlink Pro DC 60 v2		
Current		
Power		**60 kW**
	Rated current	**95 A**
	Max. current	**105 A**
Electrical protection		
Circuit Breaker (Overcurrent) **Schneider ElectricTM reference***		**3P+N or 4P** **ComPacT NSX160/250 4P 160 A** **+ Optional: VigiPacT Earth-leakage add-on protection module**

*To check availability, please contact Schneider Electric front offices.

For maintenance services

EcoStruxure Energy Asset Portal - Maintain

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EVlink Pro DC 120-150-180

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In short

EVD1S180TBB
EVD1S180TBB-AN

Environmental Data Program

RoHS compliant
Reach compliant

Standards

EV international standard: EN 61851-1 Ed. 3 IEC/ EN 61851-23 – Ed. 1
EV connector international standard: IEC/EN IEC62196-1 & IEC62196-3
Immunity for industrial environment: EN 61000-6-2
Emission for industrial environment: EN 61000-6-4
EMC for industrial environment: Class A.
Radio certification
RFID/NFC: EN 300 330 V2.1.1
4G: EN 301 908 -13 V13.1.1
Wi-Fi: EN 300 328 V2.2.2 - EN 301 893
RED DA EN 18031-1/2/3: 2024
EMC radio Equipment
EN 301 489-1 V2.2.0
RFID/NFC: EMC EN 301 489-3 V2.1.1
4G: EMC EN 301 489-52 V1.1.0
Wi-Fi: EMC EN 301 489-17 V2.1.1

Charging station offer

EVlink DC Pro DC 120 – 150 - 180 kW charging stations are able to charge an electric vehicle in less than 30 minutes.
The range covers a large variety of needs with a choice of either, per station:

- Option for payment terminal (available in Europe and Australia)
- Option for range of output cable
- Option for Eichrecht certification

Pro DC 120 – 150 – 180 kW with 2 vehicle connectors is capable to charge one vehicle at full power or simultaneously two vehicles with dynamic power allocation. For instance, to charge one vehicle at 120 kW while charging another one at 60 kW at the same time.

Easy to install

- Indoor or outdoor
- Floor mounted
- Installation in less than 2 hours (when supply cable is already installed)

Mechanical and environment features

- Degree of protection: IP55
- Degree of mechanical protection: IK10 – IK08 for the screen
- Operating temperature: -30°C / +55°C (with derating above 50°C)
- Storage temperature: -40°C to 70°C
- Operating altitude: 2000 m max.
- Relative humidity: 5% to 95%
- Housing corrosion protection C4M
- Charge interrupt button
- Accessible to disable people

Access control modes

- Free Access
- User authentication through:
  - RFID or NFC badge
    - NFC 13,56 MHz reader compatible with type 1, 2, 4 and 5 badges
    - RFID reader:
      - conforming to ISO/CEI 14443 A & B and ISO/CEI 15693 protocols
      - compatible with Mifare Ultralight, Mifare Classic, Mifare Plus
  - Auto-charge (EV MAC address)
  - QR code for CPO application
  - Embedded payment terminal (option available in Europe and Australia)

Services

- Worldwide Customer Care Centre
- Additional 1- or 3-years Warranty Extension
- Onsite commissioning support
- Services Plan
- Schneider Electric manufactured Spare parts
- Advanced training
- Worldwide network of Schneider Electric services representatives providing on-site installation, commissioning and maintenance services
- Connection to Ecostruxure Energy Asset Portal for remote support and troubleshooting provided by Schneider Electric Customer Care Center or field services team.

Application

EVlink Pro DC 120 – 150 – 180 charging stations are recommended for vehicle depot and traffic application.

Watch the video

Characteristics

EVD1S120TBB
EVD1S150TBB
EVD1S180TBB
EVD1S120TBB-AN
EVD1S150TBB-AN
EVD1S180TBB-AN

EVD1S120TBBCC
EVD1S150TBBCC
EVD1S180TBBCC

EVD1S120TBBC7
EVD1S150TBBC7
EVD1S180TBBC7
EVD1S120TBBC7-AN
EVD1S150TBBC7-AN
EVD1S180TBBC7-AN

Power supply network and charging mode

- Power supply: 380 - 400 V - 415 Vac +/- 10% 50/60 Hz
- Poles description: L1+L2+L3+N+PE

Direct current charging (all charging stations)

- Charging in Mode 4 (IEC 61851-23)
- Charging power:
  - CCS Combo 2 - 120 – 150 – 180 kW
- Charging voltage/current:
  - CCS Combo 2 - 150 to 1 000 VDC / 300 A Max
- Standby power: 90 W
- Protection against overheating, temperature regulated
- Cable range: 3.6 m with cable management, 7.5 m without cable management
- Efficiency 94.5% at nominal output power
- Power Factor ≥ 0.99 at nominal output power
- THDi ≤ 5% at nominal output power
- Acoustic noise: Variable under load: 0 dB - 65 dB at 1 m in front of the charger

Embedded protection and metering

- MCB
- RCD
- SPD
- Metering: DC Meter class B – Compliant with French DC meter regulation

Diagram of the earthing system

- TT, TN-S, TN-C-S
- IT (Compatible IT with additional isolating transformer)

Versatile connection to a supervision

- Ethernet
- Wireless 4G modem
- Wi-Fi
- OCPP 1.6Json Smart Charging interface with OCA certification
- ISO15118 / DIN 70121
- LAN/TCP IP protocol
- Modbus TCP

Heavy depot functionalities

- VDV 261 support for eBus pre-conditionning
- Volvo/Renault eTruck wake-up function to be able to restart a charge automatically

User interfaces

- 10-inch touch screen (multi-language support: English, French, German, Norwegian, Spanish, Italian, Danish, Vietnamese, Ukrainian...) Additional languages to be confirmed with your local Schneider Electric sales representative
- Multi-color LED for status indication for each vehicle connector

Sensors

- Humidity sensor
- Door sensor
- Water ingress sensor
- Tilt sensor

Dimensions (cabinet with Cable management)

- H 2202 x W 1050 x D 982 mm ; H 86.69 x W 41.34 x D 38.67 In.

Dimensions (cabinet without Cable management)

- H 2103 x W 833 x D 963 mm ; H 83,86 x W 32.80 x D 37,92 In.

EVlink Pro DC 120-150-180

Charging station references

EVlink Pro DC 120-150-180 W							
Power	Connector(s)	References(1)	Weight without power module	Weight with power module	Cable range	Cable management	Payment terminal
120 kW DC	CCS Combo 2 + CCS Combo 2	EVD1S120TBB EVD1S120TBB-AN	~470 kg / 1037 lb	~530 kg / 1168 lb	3.6 m	Yes	No
		EVD1S120TBBC7 EVD1S120TBBC7-AN	~451 kg / 995 lb	~511 kg / 1127 lb	7.5 m	No	No
		EVD1S120TBBCC	~470 kg / 1037 lb	~530 kg / 1168 lb	3.6 m	Yes	Yes
150 kW DC	CCS Combo 2 + CCS Combo 2	EVD1S150TBB EVD1S150TBB-AN	~470 kg / 1037 lb	~545 kg / 1201 lb	3.6 m	Yes	No
		EVD1S150TBBC7 EVD1S150TBBC7-AN	~451 kg / 995 lb	~526 kg / 1160 lb	7.5 m	No	No
		EVD1S150TBBCC	~470 kg / 1037 lb	~545 kg / 1201 lb	3.6 m	Yes	Yes
180 kW DC	CCS Combo 2 + CCS Combo 2	EVD1S180TBB EVD1S180TBB-AN	~470 kg / 1037 lb	~560 kg / 1235 lb	3.6 m	Yes	No
		EVD1S180TBBC7 EVD1S180TBBC7-AN	~451 kg / 995 lb	~541 kg / 1193 lb	7.5 m	No	No
		EVD1S180TBBCC	~470 kg / 1037 lb	~560 kg / 1235 lb	3.6 m	Yes	Yes

(1) References to be defined and local availability to be checked by Schneider Electric front offices.

Current information and protections

Current information and protections to use with EVlink Pro DC 120 - 150 - 180 kW				
Current				
Power		**120 kW**	**150 kW**	**180 kW**
	Rated current	**193 A**	**242 A**	**291 A**
	Max. current	**214 A**	**268 A**	**323 A**
Electrical protection				
	Circuit breaker (overcurrent)	**3P+N or 4P**	**3P+N or 4P**	**3P+N or 4P**
	References	**C25F4TM250* or C25F44V2501***	**C40F42D400**	**C40F42D400**
	Optional RCD protection (VigiPact)	**-**	**LV432465**	**LV432465**

*Optional RCD protection included.
Note: if there is plan to upgrade later (from 120 to 150 kW or 150 to 180kW...) already consider the protection sizings for DC 180kW.

For maintenance services

EcoStruxure Energy Asset Portal - Maintain

A cloud-based solution that enables remote services from our Schneider Electric experts.

Technical documentation
Please refer to bibliography in Appendix

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EVlink Pro DC 180 v2 and EVlink Pro DC 320

In short

EVD2S180TBB-IEC
EVD2S180TBB-AN

Environmental Data Program

RoHS compliant
Reach compliant

Standards

IEC/EN 61851-1 – Ed 3.0
IEC/EN 61851-23/24 – Ed 1.0
EN 61851-23:2014+AC:2016-06
EN 61851-24:2014 + AC:2015
EN IEC 62196-1:2022
EN IEC 62196-3:2022
EN IEC 61851-21-2:2021, EN IEC 61000-6-2:2019,
EN IEC 61000-6-4:2019,
EN 61000-6-4:2007/A1:2011, EN 61000-6-2:2005
EMC Class
Radio certification
RFID/NFC: EN 300 330 V2.1.1(2017-02)
2/3/4G: EN 301 908-1 V15.2.1(2023-01) ; EN
301 908-2 V13.1.1(2020-06) ; EN 301 908-13
V13.2.1(2022-02) ; EN 301 511 V12.5.1(2017-03)
Wi-Fi: EN 300 328 V2.2.2(2019-07)
RED DA EN 18031-1/2/3: 2024
EMC radio equipment
RFID/NFC, 2/3/4G, Wi-Fi: EN 301 489-1
V1.9.2(2011-09), EN 301 489-1 V2.2.3(2019-11),
EN 301 489-3 V2.3.2(2023-01), EN 301 489-17
V3.2.4(2020-09), EN 301 489-17 V3.3.1(2024-09),
EN 301 489-52 V1.2.1(2021-11), EN 301 489-52
V1.3.1(2024-11)

Charging station offer

EVlink Pro DC 180 and EVlink Pro DC 320 charging stations using last generation power module technology with efficiency up to 97% are able to charge an electric vehicle in less than 30 minutes.

The range covers a large variety of needs with a choice of either, per station:

- Option for payment terminal (available in Europe and Australia)
- Option for 7.5 m range of output cable

EVlink Pro DC 180 v2 and EVlink Pro DC 320 with 2 vehicle connectors are capable to charge one vehicle at full power or simultaneously two vehicles with dynamic power allocation.

Easy to install

- Indoor or outdoor
- Floor mounted
- Installation in less than 2 hours (when supply cable is already installed)

Mechanical and environment features

- Degree of protection: IP55
- Degree of mechanical protection: IK10 – IK08 for the screen
- Operating temperature: -30°C / +55°C (with derating above 50°C)
- Storage temperature: -40°C to 70°C
- Operating altitude: 2000 m max.
- Relative humidity: 5% to 95%
- Housing corrosion protection C4M
- Charge interrupt button
- Accessible to disable people

Access control modes

- Free Access
- User authentication through:
  - RFID or NFC badge
    - NFC 13,56 MHz reader compatible with type 1, 2, 4 and 5 badges
    - RFID reader:
      - conforming to ISO/CEI 14443 A & B and ISO/CEI 15693 protocols
      - compatible with Mifare Ultralight, Mifare Classic, Mifare Plus
  - Auto-charge (EV MAC address)
  - QR code for CPO application
  - Embedded payment terminal (option available in Europe and Australia)
  - ISO15118-2 Plug n Charge

Services

- Worldwide Customer Care Centre
- Additional 1- or 3-years Warranty Extension
- Onsite commissioning support
- Services Plan
- Schneider Electric manufactured Spare parts
- Advanced training
- Worldwide network of Schneider Electric services representatives providing on-site installation, commissioning and maintenance services
- Connection to Ecostruxure Energy Asset Portal for remote support and troubleshooting provided by Schneider Electric Customer Care Center or field services team.

Application

EVlink Pro DC 180 and 320 charging stations are recommended for heavy vehicle depot, especially eBus and eTruck, and for traffic application.

Watch the video

Characteristics

EVD2S180TBB-IEC
EVD2S180TBB-AN
EVD2S320TBB-IEC
EVD2S320TBB-AN

EVD2S180TBBCC-AN
EVD2S320TBBCC-AN

EVD2S180TBBC7-IEC
EVD2S180TBBC7-AN
EVD2S320TBBC7-IEC
EVD2S320TBBC7-AN

Technical documentation
Please refer to bibliography in Appendix

Power supply network and charging mode

- Power supply: 380 - 400 V - 415 Vac +/- 10% 50/60 Hz
- Poles description: L1+L2+L3+N+PE

Direct current charging (all charging stations)

- Charging in Mode 4 (IEC 61851-23)
- Charging power:
  - CCS Combo 2 - 120 – 180 – 240 – 320 kW
- Charging voltage/current:
  - CCS Combo 2 - 150 to 1 000 VDC
  - 300 A Max with boost up to 500 A
- Standby power:
  - <60 W without top LED (version without cable management)
  - <80 W with top LED (version with cable management)
- Protection against overheating, temperature regulated
- Cable range: 3.8 m with cable management, 7.5 m without cable management
- Power module efficiency up to 97%
- Power Factor ≥ 0.99 at nominal output power
- THDi ≤ 5% at nominal output power
- Acoustic noise: Variable under load:
  - 0 dB - 60 dB at 1 m in front of the charger for EVlink Pro DC 180 v2
  - 0 dB - 65 dB at 1 m in front of the charger for EVlink Pro DC 320

Embedded protection and metering

- MCB
- SPD
- Metering: MID DC Meter class B – Compliant with French LNE DC meter regulation

Diagram of the earthing system

- TT, TN-S, TN-C-S
- IT (Compatible IT with additional isolating transformer)

Versatile connection to a supervision

- Ethernet
- Wireless 4G modem
- Wi-Fi
- OCPP 1.6Json Smart Charging interface with OCA certification
- ISO15118 / DIN 70121
- LAN/TCP IP protocol
- Modbus TCP

Heavy depot functionnalities

- VDV 261 support for eBus pre-conditionning
- Volvo/Renault eTruck wake-up function to be able to restart a charge automatically

User interfaces

- 10-inch touch screen (multi-language support: English, French, German, Norwegian, Spanish, Italian, Danish, Vietnamese, Ukrainian...) Additional languages to be confirmed with your local Schneider Electric sales representative
- Multi-color LED for status indication for each vehicle connector
- Top LED with version with cable management for charger visibility from distance
- User interface customization, (logo, tariff display, charge cost, advertisement screen)

Sensors

- Humidity sensor
- Door sensor
- Water ingress sensor
- Tilt sensor
- Fan sensor to detect anomalies of cooling
- Power outage sensor backend notification
- USB-C connector (permit to power a laptop during maintenance operation)

Dimensions (cabinet with Cable management)

- H 2230 x W 1259 x D 1076 mm; H 87.80 x W 49.57 x D 42.36 In.

Dimensions (cabinet without Cable management)

- H 2050 x W 846 x D 1006 mm; H 80.71 x W 33.1 x D 39.61 In.

EVlink Pro DC 180 v2 and EVlink Pro DC 320

Charging station references

EVlink Pro DC 120-180 v2 and EVlink Pro DC 240-320							
Power	Connector(s)	References(1)	Weight without power module	Weight with power module	Cable range	Cable management	Payment terminal
120 kW DC	CCS Combo 2 + CCS Combo 2	**EVD2S120TBB-IEC**	**~474 kg / ~1045 lb.**	**~538 kg /~1086 lb.**	**3.8 m**	**Yes**	**No**
		EVD2S120TBB-AN	**~474 kg / ~1045 lb.**	**~538 kg /~1086 lb.**	**3.8 m**	**Yes**	**No**
180 kW DC	CCS Combo 2 + CCS Combo 2	**EVD2S180TBB-IEC**	**~474 kg / ~1045 lb.**	**~570 kg / ~1256 lb.**	**3.8 m**	**Yes**	**No**
		EVD2S180TBB-AN	**~474 kg / ~1045 lb.**	**~570 kg / ~1256 lb.**	**3.8 m**	**Yes**	**No**
		EVD2S180TBBC7-IEC	**~455 kg / ~1003 lb**	**~551 kg / ~1214 lb.**	**7.5 m**	**No**	**No**
		EVD2S180TBBC7-AN	**~455 kg / ~1003 lb**	**~551 kg / ~1214 lb.**	**7.5 m**	**No**	**No**
		EVD2S180TBBCC-AN	**~474 kg / ~1045 lb.**	**~570 kg / ~1256 lb.**	**3.8 m**	**Yes**	**Payter Appollo**
240 kW DC	CCS Combo 2 + CCS Combo 2	**EVD2S240TBB-IEC**	**~474 kg / ~1045 lb.**	**~576 kg / ~1269 lb**	**3.8 m**	**Yes**	**No**
		EVD2S240TBB-AN	**~474 kg / ~1045 lb.**	**~576 kg / ~1269 lb**	**3.8 m**	**Yes**	**No**
320 kW DC	CCS Combo 2 + CCS Combo 2	**EVD2S320TBB-IEC**	**~474 kg / ~1045 lb.**	**~610 kg / ~1344 lb.**	**3.8 m**	**Yes**	**No**
		EVD2S320TBB-AN	**~474 kg / ~1045 lb.**	**~610 kg / ~1344 lb.**	**3.8 m**	**Yes**	**No**
		EVD2S320TBBC7-IEC	**~455 kg / ~1003 lb**	**~591 kg / ~1303 lb.**	**7.5 m**	**No**	**No**
		EVD2S320TBBC7-AN	**~455 kg / ~1003 lb**	**~591 kg / ~1303 lb.**	**7.5 m**	**No**	**No**
		EVD2S320TBBCC-AN	**~474 kg / ~1045 lb.**	**~610 kg / ~1344 lb.**	**3.8 m**	**Yes**	**Payter Appollo**

(1) References to be defined and local availability to be checked by Schneider Electric front offices.

Current information and protections

Current information and protections to use with EVlink Pro DC 120 - 180 v2			
Current			
Power		**120 kW**	**180 kW**
	Rated current	**190 A**	**285 A**
	Max. current	**211 A**	**316 A**
Suggested protection			
Circuit breaker (Overcurrent)		**3P+N or 4P**	**3P+N or 4P**
Schneider Electric offer range		ComPacT NSX250H 4P 250 A + Trip Unit MicroLogic 4.2 for ComPacT NSX 250	ComPacT NSX400H 4P 400 A + Trip Unit MicroLogic 4.3 for ComPacT NSX 400/630

Note: if there is plan to upgrade from 120 to 150 kW or 180 kW at a later stage, consider the protection sizings for DC 150 or 180 kW.

Current information and protections to use with EVlink Pro DC 240 - 320			
Current			
Power		**240 kW**	**320 kW**
	Rated current	**380 A**	**507 A**
	Max. current	**422 A**	**563 A**
Suggested protection			
Circuit breaker (Overcurrent)		**3P+N or 4P**	**3P+N or 4P**
Schneider Electric offer range		ComPacT NSX630 4P 570 A + Earth-leakage VigiPacT add-on protection module	ComPacT NSX630 4P 630 A + Earth-leakage VigiPacT add-on protection module

Note: if there is plan to upgrade from 240 to 320 kW at a later stage, consider the protection sizings for DC 320 kW.

For maintenance services

EcoStruxure Energy Asset Portal - Maintain

A cloud-based solution that enables remote services from our Schneider Electric experts.

EVlink Pro DC 720

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Yenilikçi bina teknolojileri

In short

Environmental Data Program

RoHS compliant
Reach compliant

Charging station offer

Fast, future-ready, and efficient: our decentralized DC charging system delivers up to 720 kW across 6 dispensers – designed to meet the evolving demands of fleets, industrial sites, and commercial buildings.

- Scalable from 360 kW to 480 kW (with 30 kW power module) or from 480 kW to 720 kW (with 40 kW power module)
- Highly customizable to align with your specific needs
- Anti-tripping and cost-optimized load management powered by EcoStruxure EV Charging Expert
- End-to-end support to bring your project to life and keep it running smoothly
- Fully integrated with Schneider Electric's end-to-end solutions, enabling effortless incorporation of electric mobility into your existing infrastructure

High power, high efficiency

- 97% efficiency of power module
- Boostable to 600 A
- Anti-tripping and smart cost management with EcoStruxure EV Charging Expert

Built to perform, built to last

- 100% robust-tested
- Compliant with the latest market standards
- High-performance charging in harsh environments (IP55)
- -30°C/+50°C temperature resistance without derating
- C4M corrosion protection (enclosure)
- Metal housing for outdoor/ indoor use
- Embedded protections (MCB, SPD)

Fleet friendly

- eBus preconditioning capability (VDV261)
- Restart of the charge after completion (BCB Toggle wake-up)

Advanced connectivity for seamless supervision and user experience

- Embedded Wi-Fi and 4G modem enabling remote monitoring and smart charging
- Interoperability certified with dozens of Charging Station Management Systems
- Flexible authentication options (ISO 15118, Autocharge, payment terminal (option available in Europe and Australia), RFID, QR code)
- Charging Station Management System notification in case of power outage

Maximum uptime with 360 support

- High repairability level
- Preventive maintenance thanks to sensors
- Worldwide network of Schneider Electric services representatives providing on-site installation, commissioning and maintenance services
- Connection to Ecostruxure Energy Asset Portal for remote support and troubleshooting provided by Schneider Electric Customer Care Center or field services team

Application

EVlink Pro DC 720 charging stations are recommended for buildings, fleets and transit applications.

EVlink Pro DC 720

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Power cabinet characteristics

EVD1S360-IEC
EVD1S483-IEC
EVD1S480-IEC
EVD1S720-IEC
EVD1S360-AN
EVD1S483-AN
EVD1S480-AN
EVD1S720-AN

Standards

EN IEC 61851-1:2019/AC:2023-12
EN 61851-23:2014/AC: 2016-06
EN 61851-24:2014/AC: 2015
EN 62311:2008, EN IEC 62311:2020
EN IEC 61851-21-2:2021
EN 61000-6-2:2005/AC:2005,
EN IEC 61000-6-2:2019
EN 61000-6-4:2007/A1:2011,
EN IEC 61000-6-4:2019
EMC Class A

Radio certification
2/3/4G: EN 301 511 V12.5.1 (2017-03)
EN 301 908-1 V15.2.1 (2023-01),
EN 301 908-2 V13.1.1(2020-06)
EN 301 908-13 V13.2.1 (2022-02),
EN 301 908-13 V13.3.1 (2024-10)
Wi-Fi: EN 300 328 V2.2.2 (2019-07)
RED DA: EN 18031-1/2/3: 2024

EMC radio equipment
2/3/4G, Wi-Fi: EN 301 489-1 V1.9.2 (2011-09),
EN 301 489-1 V2.2.3 (2019-11)
EN 301 489-17 V3.2.4 (2020-09)
EN 301 489-52 V1.2.1 (2021-11)

Mechanical and environment features

- Degree of protection: IP55
- Degree of shock protection: IK10
- Operating temperature: -30 to +55°C derating above 50°C
- Storage temperature: -40 to +70°C
- Operating altitude: Up to 2000 m (without physical derating)
- Relative humidity: 5 to 95 %
- Housing corrosion protection: C4M
- Cooling Filter: air cooling
- Acoustic noise: variable under load 0 to 70 dB @ 25°C (1 meter)
- Material charging station: 430 stainless steel
- Mounting mode: Floor standing

Electrical Characteristics

- Power supply: 3 PH
- Poles description: L1+L2+L3+N+PE
- (Us) rated supply voltage: 380 V – 415 Vac +/- 10% 50/60 Hz
- Power factor: 0.99 at nominal output power
- Efficiency: Up to 97% power modules
- THDi: ≤ 5% at nominal output power without any additional filter
- Standby power: 80 W
- Overvoltage category: OVC III
- Rated conditional short-circuit current: 50 kA
- Sensors: Humidity sensor; door sensor; tilt sensor; water ingress sensor; fan sensors
- Protection: Protected against short circuit, overload, overheating, and temperature regulated
- Charging Stop button

Diagram of the earthing system

- TT, TN-S/TN-C-S
- IT (compatible with additional isolation transformer on the power supply)

Charger interfaces

- Output characteristics:
  - 12 outputs
  - Output current: 380 A rated current with 600 A boost per output
  - Output voltage: 150 - 1000 V per output

- Configuration:
  - Compatible with EVlink Pro DC 720 Dispenser
  - Manage up to 6 dispensers
  - Each dispenser can be located up to 80 m from power cabinet

- Dynamic-simultaneous charging: It is possible to charge up to 12 vehicles simultaneously. The charging station automatically adapts to use the full charging power available and to respond to the actual power request of each vehicle(s) connected to minimize the charging time.

Communication and available functions

- Local signal: 1x multi-color LED for status of the charging station
- Communication port protocol:
  - OCPP 1.6 Json smart charging including security part
  - ISO15118/DIN 70121
  - VDV 261
  - BCB toggle wake-up
- Network connection:
  - Wi-Fi (802.11 b/g/n, 2.4GHz)
  - Ethernet (RJ 45) 10/100 Base T
  - Modem 4G (4G, GSM, WCDMA, LTE-FDD and LTE-TDD)
- Functions:
  - Load management
  - Diagnosis capabilities
  - Software updates
  - Charging Station Management System notification in case of power outage
  - Connection to EcoStruxure Energy Asset Portal for remote support and troubleshooting (Schneider Electric Customer Care Center or field services team)

Services

- Worldwide Customer Care Centre
- Additional 1- or 3-years Warranty Extension
- Onsite commissioning support
- Services Plan
- Schneider Electric manufactured Spare parts
- Advanced training
- Worldwide network of Schneider Electric services representatives providing on-site installation, commissioning and maintenance services

Dimensions and weight

- H 2206 x W 1503 x D 1220 mm
- 360 kW scalable up to 480 kW: 824 kg without power module. With power modules: 1016 kg (EVD1S360), 1080 kg (EVD1S483)
- 480 kW scalable up to 720 kW: 922 kg without power module. With power modules: 1126 kg (EVD1S480), 1228 kg (EVD1S720)

EVlink Pro DC 720

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Dispensers characteristics

EVD1D720TBB-IEC
EVD1D720TBB-AN

EVD1D720TBBC7-IEC
EVD1D720TBBC7-AN

EVD1D720TBBCC-IEC
EVD1D720TBBCC-AN

Standards

EN IEC 61851-1:2019/AC:2023-12
EN 61851-23:2014/AC:2016-06
EN 61851-24:2014/AC:2015
IEC/EN IEC 62196-1 & IEC 62196-3
EN 62311:2008, EN IEC 62311:2020
EN IEC 61851-21-2:2021
EN 61000-6-2:2005/AC:2005, EN IEC 61000-6-2:2019
EN 61000-6-4:2007/A1:2011, EN IEC 61000-6-4:2019
EMC Class A
Radio certification
RFID/NFC: EN 300 330 V2.1.1 (2017-02)
2/3/4G: EN 301 908 -1 V15.2.1 (2023-01)
EN 301 908 -2 V13.1.1 (2020-06)
EN 301 908 -13 V13.2.1 (2022-02)
EN 301 908-13 V13.3.1 (2024-10)
EN 301 511 V12.5.1 (2017-03)
Wi-Fi: EN 300 328 V2.2.2 (2019-07)
RED DA: EN 18031-1/2/3: 2024
EMC radio equipment
RFID/NFC, 2/3/4G, Wi-Fi:
EN 301 489-1 V1.9.2 (2011-09),
EN 301 489-1 V2.2.3 (2019-11)
EN 301 489-3 V2.3.2 (2023-01)
EN 301 489-17 V3.2.4 (2020-09)
EN 301 489-52 V1.2.1 (2021-11)

Mechanical and environment features

- Degree of protection: IP55
- Degree of shock protection: IK10 - screen IK08
- Operating temperature: -30 to +55°C derating above 50°C
- Storage temperature: -40 to +70°C
- Operating altitude: Up to 2000 m (without physical derating)
- Relative humidity: 5 to 95 %
- Housing corrosion protection: C4M
- Cooling Filter: air cooling
- Acoustic noise: variable under load 0 to 55 dB at 25°C (1 meter in front of the charger)
- Material charging station: 430 stainless steel
- Mounting mode: Floor standing

Easy to use

- Accessible to disable people (depending on the standards applicable in the country)

Electrical Characteristics

- Power supply: 1 PH
- Poles description: L1+N
- DC meter: Each DC output includes Class B DC PTB/MID meter. Visible by any user
- Standby power: < 55 W
- Sensors: Humidity sensor; door sensor; tilt sensor; water ingress sensor; fan sensors
- Protection: Protected against short circuit, overload, overheating, and temperature regulated
- Overvoltage category: OVC III
- Charging Stop button

Diagram of the earthing system

- TT, TN-S/TN-C-S
- IT (compatible with additional isolation transformer on the power supply)

Connections between dispenser and power cabinet

- DC power cable per vehicle connector: 1000 VDC
- Rated supply voltage: 220 V – 240 Vac +/- 10% 50/60 Hz
- Communication: Ethernet (RJ 45) 10/100 Base T

Charger interfaces

- 2 Vehicle connectors
- Output type: CCS2
- Output voltage: 150 – 1000 VDC
- Output current: 380 A rated current with boost mode up to 600 A
- Dynamic-simultaneous charging: It is possible to charge two vehicles simultaneously. The charging station automatically adapts to use the full charging power available and to respond to the actual power request of each vehicle(s) connected to minimize the charging time.

Communication and available functions

- Local signal: 1x multi-color LED for status indication for each vehicle connector
- User Interface: 7” screen
- Multi-language support: Bulgarian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Indonesian, Italian, Latvian, Lithuanian, Norwegian,Portuguese, Romanian, Spanish, Swedish, Thai, Ukrainian, Vietnamese. It is possible to add additional languages
- Communication port protocol:
  - OCPP 1.6 Json smart charging including security part
  - ISO15118/DIN 70121
  - VDV 261
  - BCB toggle wake-up
  - Modbus TCP
- Access control system
  - RFID badge reader conforming to ISO/IEC 14443 Type A&B and ISO/IEC 15693
  - NFC reader compatible with tag type 1,2,4,5
  - Reader support: MIFARE Ultralight, MIFARE Classic 1K/4K, MIFARE DESFire EV1/EV2, MIFARE Plus cards
  - ISO15118 Plug and Charge
  - Autocharge (EV Mac address)
  - Payment terminal (option available in Europe and Australia)
- Functions:
  - Load management
  - Diagnosis capabilities
  - Software update
  - Real-time charge cost display
  - EV driver HMI customization for tariff display
  - EV driver HMI logo and screen saver customization
  - Connection to EcoStruxure Energy Asset Portal for remote support and troubleshooting (Schneider Electric Customer Care Center or field services team)
  - Charging Station Management System notification in case of power outage
  - Advertisement possibility

Services

- Worldwide Customer Care Centre
- Additional 1- or 3-years Warranty Extension
- Onsite commissioning support
- Services Plan
- Schneider Electric manufactured Spare parts
- Advanced training
- Worldwide network of Schneider Electric services representatives providing on-site installation, commissioning and maintenance services

Dimensions and weight

- With cable management: H 2200 x W 720 x D 720 mm. Weight: 240 kg
- Without cable management: H 2200 x W 720 x D 720 mm. Weight: 236 kg

EVlink Pro DC 720

EVlink Pro DC 720 references

Power Cabinet	
Characteristics	References(1)
EVlink Pro DC 720 range, 360 kW, power cabinet	**EVD1S360-IEC EVD1S360-AN**
EVlink Pro DC 720 range, 480 kW, power cabinet, 30 kW power module	**EVD1S483-IEC EVD1S483-AN**
EVlink Pro DC 720 range, 480 kW, power cabinet	**EVD1S480-IEC EVD1S480-AN**
EVlink Pro DC 720 range, 720 kW, power cabinet	**EVD1S720-IEC EVD1S720-AN**

Dispensers	
Characteristics	References(1)
EVlink Pro DC 720 range, Dispenser, 400 A, CCS2 + CCS2, 4.15 m cable range with cable management	**EVD1D720TBB-IEC EVD1D720TBB-AN**
EVlink Pro DC 720 range, Dispenser, 400 A, CCS2 + CCS2, long cable range without cable management	**EVD1D720TBBC7-IEC EVD1D720TBBC7-AN**
EVlink Pro DC 720 range, Dispenser, 400 A, CCS2 + CCS2, 4.15 m cable range with cable management, payment terminal	**EVD1D720TBBCC-AN**

(1) References to be defined and local availability to be checked by Schneider Electric front offices.

Power cabinet - Current information and protections

Current information and protections				
Current				
Power		**360 kW**	**480 kW**	**720 kW**
	Rated current*	**570 A**	**759 A**	**1139 A**
	Max. current*	**633 A**	**843 A**	**1266 A**
Suggested protection				
Circuit breaker (Overcurrent)		**3P+N or 4P**	**3P+N or 4P**	**3P+N or 4P**
Schneider Electric offer range		ComPact NSX630 3P/4P 500 A * 2 Optional: Type A RCD	ComPact NSX630 3P/4P 630 A * 2 Optional: Type A RCD	ComPact NS800 3P/4P 800 A * 2 Optional: Type A RCD

* There are two incoming power lines inside the power cabinet. It is recommended to have two power supply circuits and circuit breakers upstream.
The circuit breakers and cables for each circuit should be selected according to half of the rated current and maximum current of power cabinet.
Note: If planning to upgrade power of the power cabinet at a later stage, consider the protection sizing accordingly.

For maintenance services

EcoStruxure Energy Asset Portal - Maintain

A cloud-based solution that enables remote services from our Schneider Electric experts.


Schneider Electric
DC Meter A
DC Meter B
A
B
EVlink


Life Is On Schneider Electric
Charging stations
Slaves
Badges
Admin
EcoStruxure ™ EV Cha
GLOBAL
Zones and outlets
ZONES
All zones
1st Floor
1st Floor - North
1st Floor - South
2nd Floor
3rd Floor (VIP)
POWER OUTLETS
All power outlets
PowerMeter1
EXPORT TRANSACTIONS
INFORMATION
DASHBOARD
Station fleet
Stations 23
Charge points 39
available 32
charging 3
suspended by EV 1
suspended by system 1
faulted 2
not connected 0
unavailable 0
CHARGES
0
Cluster powe
Charges
Optimal
Reduced
Suspended
charging stations
local production
STATIONS
Name
Zone
Connecte
Station 17
2nd Floor - North-East
1
2
Station 18
2nd Floor - North-East
1
2
Station 19
2nd Floor - North-East
1
2
Station 20
2nd Floor - North-East
1
Station 21
2nd Floor - North-East
1
Station 22
2nd Floor - North-East
1
2
Station 23
2nd Floor - North-West
1
Station 24
2nd Floor - North-West
2
1
Station 25
2nd Floor - North-West
2
1
Station 26
2nd Floor - North-West
2
1

Load Management for EV Charging

Energy Management

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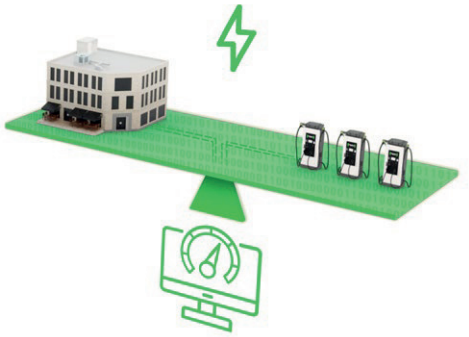
Yenilikçi bina teknolojileri

Monitor, control, and maximize EV charging capacity based on the power availability, peak demand, and tariffs.

Installing charging stations in an existing electrical distribution installation can have a significant impact on cost, efficiency, and service continuity.
The additional power required by electrical vehicles could significantly increase the electrical bill.

Furthermore, increasing peak demand can lead to potential discontinuity in the building's load supply by exceeding the maximum power allowed by electrical distribution protection.

EcoStruxure™ EV Charging Expert helps building owners avoid extra costs, optimize their EV infrastructure efficiency, and enhance the service continuity by adapting to each building's energy contract and power constraints.



Watch the video

EcoStruxure EV Charging Expert

Optimal comfort and charging for EV drivers in residential buildings

Scalable solution for car parks and tertiary sites

Supports the transition to EV fleets without compromising business continuity

Key benefits

Peace of mind

Maximize continuity of service while providing fair and controlled EV charging services.

Cost effective

Minimum infrastructure upgrade are required and on-peak/off-peak tariff functionality can be set.

Simple offer

Now offered as a single reference, our solution comes fully equipped with all features and supports up to 250 charge points. Easily scale your infrastructure by adding EV chargers as your needs evolve.

Local or connected offer

This open solution is compatible with Charging Point Operator supervision systems.

It can also be integrated with a BMS or used for local supervision of the EV infrastructure.

EcoStruxure EV Charging Expert is a Solar Impulse Efficient solution.

How it works

EcoStruxure EV Charging Expert limits the impact of EV charging infrastructure implementation on the electrical installation by using static or dynamic energy management principles.

Two possible energy management modes: static or dynamic

Static load management

The maximum power value is equal to the subscribed demand or any fixed value. EV Charging Expert distributes the energy below that fixed value among the chargers based on energy demand and defined system settings.

\+ Minimum energy level is guaranteed for EV

\- Not optimized: unused available energy

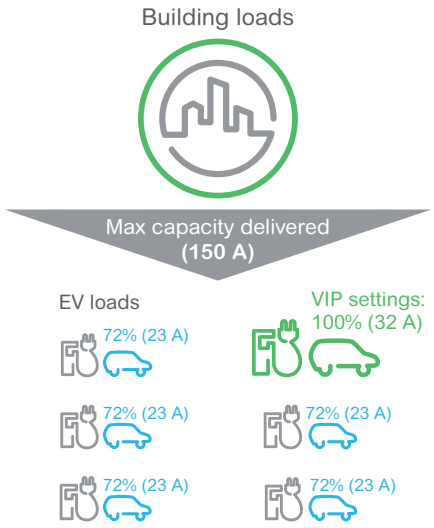
Dynamic load management

The remaining energy at the building is allocated to EV infrastructure in real time based on energy demand and defined system settings.

\+ Optimized energy allocation

\- Low available energy for EV when the building's usual loads are high

Manage the available energy with, load reduction and load shedding.



When load shedding is triggered (meaning there is not enough power to continue all charging sessions simultaneously), energy distribution is based on:

The amount of energy already consumed

The system pauses charging for vehicles that have obtained the highest amount of kWh favoring recently arrived vehicles.

The connection time

The system pauses charging for vehicles that have been charged the longest, favoring the most recent arrivals. In both cases, the system rechecks and updates the situation every 15 minutes.

Technical documentation

Please refer to bibliography in Appendix

EcoStruxure™ EV Charging Expert

Make the most of EcoStruxure EV Charging Expert

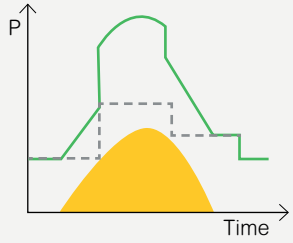
Integrate and manage PV production

Taking into account the PV production

To enable higher charging capacity, EcoStruxure EV Charging Expert can integrate the PV production to the power allocated to charge the vehicles.

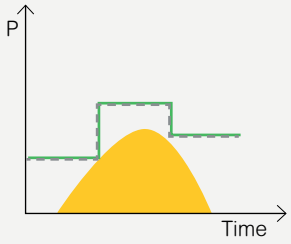
Combining grid and solar energy

Adaptive EV charging power allocation including the local photovoltaic production.



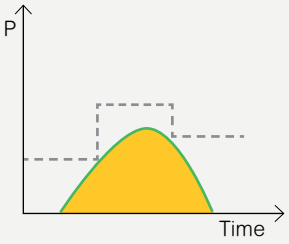
Grid only

Dynamic EV charging power allocation without considering the local photovoltaic production



Solar only

Dynamic EV charging power allocation limited to the local photovoltaic production



Charging power allocated to the EV
On-site solar production
Power requested by the EV fleet

Whether for residential, commercial, industrial buildings, or fleet operations, EcoStruxure EV Charging Expert adapts seamlessly to all use cases

- Supports up to 250 charging stations. Simultaneously manages Schneider Charge Pro, EVlink Pro AC, and EVlink Pro DC ranges
- Dynamically allocate the optimal power to each charger to maximize energy usage
- Enables local badge management without a supervision system, including VIP badge handling
- Offers API integration with Building Energy Management Systems (BEMS)
- Integrates photovoltaic (PV) production into total available power management

[1] May require specific development.

Reference architectures

EcoStruxure EV Charging Expert

Performs data acquisition and runs algorithms to control total demand and power allocation.

Modem 3G/4G

To connect to remote OCPP monitoring or access the operation dashboard

Modicon managed and unmanaged switches

The Modicon Networking range offers you a smart and flexible way to integrate Ethernet solutions into your operation, from the device level to the control network and your corporate network.

Unmanaged switch for star topology

4 or 8 ports for copper

Managed switch for ring and daisy chain topologies

4 or 8 ports for copper

Power meter

Real-time measurement of total building consumption to dynamically communicate the energy available.

Schneider Electric meter compatibility and communication specifications

- IEM 3x5x – MODBUS RTU/TCP
- PM5320 – MODBUS RTU/TCP
- PowerTag (via SmartLink) Zigbee to MODBUS Top
- ComPact NSX – MODBUS TCPMasterPact MTZ – MODBUS TCP

EcoStruxure™ EV Charging Expert

EcoStruxure EV Charging Expert

EV Charging Expert has been awarded with the prestigious "Solar impulse Efficient Solution" label.

Find out more here

Environmental Data Program

RoHS compliant
Reach compliant

EcoStruxure EV Charging Expert allows EV charging to be monitored, controlled and maximized based on the real-time available power in the building.

It helps to ensure the respect of cost and energy efficiency constraints of a set of charging stations by controlling their operation. The controller runs its management program according to the selected parameters and data received from the charging stations.

Characteristics

- PLC type: Essential Edge Controller, Harmony BX1
- Operating system: Linux Yocto
- Supply voltage: 12 – 24 V DC
- Inrush current: 6 A
- Consumption: 24 W
- Dimensions: HxDxW:141x48x99 mm
- Protection class: IP20
- Standards/Directives:
  - Directive 2014/30/EU (EMC)
  - Directive 2014/35/EU (Low Voltage)
  - EN 55011
  - IEC 61000-6-1
- Connections: 2x Ethernet ports (10/100/1000 Mb/s), 2x USB 3.0, 2x CAN, 2x RS-232/422/485, HDMI (deactivated), Power connector (12-24 V DC)

Connection to the charging stations

- Directly to the Ethernet LAN via an external switch
- Compliant with the latest cybersecurity recommendations

External network connection

- Directly to the Ethernet LAN or remotely via a 3G or 4G modem
- Communication under OCPP 1.6 JSON

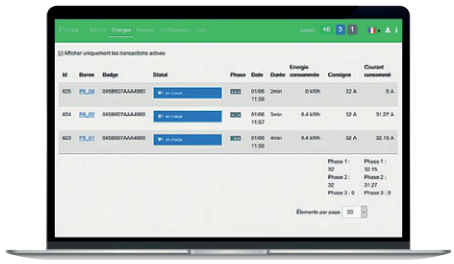
Functions

- Calculates in real time the power allocated to the charging stations
- Centralization and availability of data for each station

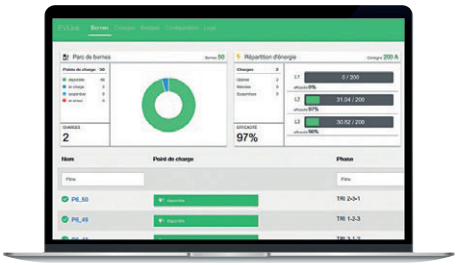
User interface

EcoStruxure EV Charging Expert provides access to an ergonomic and intuitive user interface (web server) to:

- Visualize real-time status of each charger
- Reset or reboot a charging station
- Remote start/stop a charging session
- Manage badges (local addition, import, export) and user rights
- Monitor and download transactions history per charging station by badge or aggregated for the infrastructure
- Consult, download, and export maintenance data
- Connect to one or multiple remote supervisions
- Set parameters: Add/remove chargers, update and change their configuration
- Save and restore commissioned configuration
- With an administrator profile, access and modify all system settings



Charging history of electric vehicles



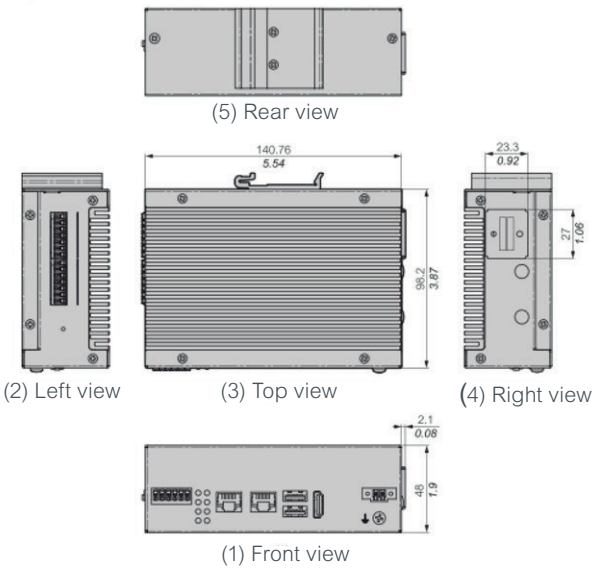
Current charging sessions

To download the latest release of EcoStruxure EV Charging Expert software, please scan or click on the following QR code:

Practical information

EcoStruxure EV Charging Expert dimensions (mm)

Dimensions

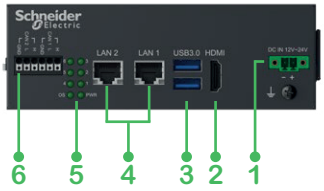


(5) Rear view

(2) Left view (3) Top view (4) Right view

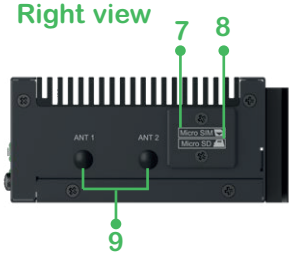
(1) Front view

Front view



1. DC power connector
2. HDMI port (deactivated*)
3. USB 3.0
4. LAN ports (10/100/1000 Mb/s)
5. LEDs
6. CAN ports

Right view



7. SIM Card slot
8. SD Card slot
9. External Antenna slot (not available)

Additional information

Range compatibility:
Schneider Charge Pro
EVlink Pro AC
EVlink Pro DC 60 kW
EVlink Pro DC 60 kW v2
EVlink Pro DC 120 -180 kW
EVlink Pro DC 120-180 kW v2
EVlink Pro DC 320 kW
EVlink Smart Wallbox
EVlink Parking

Technical documentation
Please refer to bibliography in Appendix

EcoStruxure™ EV Charging Expert

EcoStruxure EV Charging Expert commercial reference

Application	Fleets, Residential, commercial and industrial building
EcoStruxure EV Charging Expert references	**HMIBX1A0NEVB100SCP**
Schneider Electric charging station compatibility	EVlink Pro AC Schneider Charge Pro EVlink Pro DC 60 EVlink Pro DC 180
Max number of charging stations	250
Max number of zones	20
Max number of zones levels	4
Dynamic load management	✓
Reduce zone setpoint via time of use table	✓
PV production integration	✓
API for integration in BEMS (Building Energy Management System)	✓
Service and access to transaction logs via authentication with RFID badges	✓
Charging priorization (VIP service) for selected badges and/or EV chargers	✓

UPGRADE references

On existing installation*, the number of chargers can be increased using the following optional licences:

Description	References
EV Charging Expert Upgrade from 5 to 15 charging stations	**EVLMSEDB2EDS**
EV Charging Expert Upgrade from 5 to 50 charging stations	**EVLMSEDB2EDM**
EV Charging Expert Upgrade from 5 to 100 charging stations	**EVLMSEDB2EDL**
EV Charging Expert Upgrade from 15to 50 charging stations	**EVLMSEDS2EDM**
EV Charging Expert Upgrade from 15 CS to 100 charging stations	**EVLMSEDS2EDL**
EV Charging Expert Upgrade from 50 to 100 charging stations	**EVLMSEDM2EDL**

*Available for the following EcoStruxure EV Charging Expert legacy references: HMIBSCEA53D1EDB, HMIBSCEA53D1EDBSCP, HMIBSCEA53D1EDS, HMIBSCEA53D1EDM, HMIBSCEA53D1ED.

Battery Energy Storage Solution for Commercial and Industrial Buildings

Battery Energy Storage System

An all-in-one solution combining hardware, software, and services designed to evolve with your needs and to deliver lasting performance

Our Battery Energy Storage System controlled by Ecostruxure Energy Asset Controller enables to store solar energy during low-demand periods to use it during peak times.

It stabilizes the energy supply on cloudy days or during high-consumption periods, pulling the energy from the grid when prices are lower and optimizing energy costs.

It provides energy for essential equipment, lighting and HVAC systems, enhancing the business continuity and enabling businesses to create additional revenue by reducing their energy bills and selling surplus electricity back to the grid.

Key benefits

- Business continuity and peace of mind through robust system and cybersecurity-focused design
- Achieve peak performance with seamless connection with existing energy assets (PV, EV) and multiple energy strategies support
- Easily scale up to 2 MWh by combining 10 power cabinets

Power optimization made simple

- 200 kWh of storage per unit and 100 kW inverter power
- Seamless connection (Modbus TCP/RTU) with existing infrastructure and energy assets (PV, EV)
- Smart air-cooling system and advanced thermal monitoring (264 temperature sensors)
- Integrated fire prevention and suppression system
- Embedded electrical protection devices
- Comprehensive data protection and encrypted communications
- Remote maintenance from Schneider Electric experts and automatic Over-The-Air updates
- 90.8% round-trip efficiency

One solution for different energy strategies

Self-consumption optimization

Store excess solar/wind production and use it later to avoid grid imports.

Extra power allocation

Use pre-charged BESS when the required energy is higher than the site available energy.

Peak shaving

Lower peak demands by discharging battery during the consumption peaks.

Tariff Management

Reduce energy costs, by charging the battery, when electricity prices are low, and discharge during peak hours, when prices are higher.

Imbalance Management

Follow the TSO signal to generate additional revenue. (December 2025)

Schneider Boost Pro

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Yenilikçi bina teknolojileri

Characteristics

BAT215KPCS100K3EU1

Environmental Data Program

RoHS compliant
Reach compliant

Standards

Schneider Boost Pro
EN IEC 62619
IEC 63056
IEC/EN IEC 61000-6
IEC/EN IEC 61000-2
IEC/EN IEC 61000-4
EN 62477-1
UL 9540A
REGULATION (EU) 2023/1542
UN38.3

Grid Code
EN 50549-1
EN 50549-2
EN 50549-10
CE10-16
CE10-21
RENBLAD 342,G99,C10/11
EIFS 2018
VDE-AR-N 4105
G99/1-10
TR 3.3.1
TK 3.3.1

Schneider Boost Pro characteristics

Schneider Boost Pro is a 200kWh (100 kW inverter power) stationary storage system designed for commercial and industrial applications.

It is scalable up to 2 MWh by combining 10 units.

Paired with the EcoStruxure Energy Asset Controller (EEAC) it enables multiple energy strategies: self-consumption, peak shaving, load balancing, tariff arbitrage,…

System Features

- Grid-following function
- Grid-forming function(1)
- Max system efficiency: 90.80%
- Charge/Discharge Rate: 0.5P
- Depth of Discharge: 93%

(1)Supported with conditions

Protections

- Over/under voltage protection
- Over current/Short current protection
- Over temperature protection
- Surge protection
- DC protection
- AC protection
- Aux protection
- Fire-extinguishing system: Gas fire extinguishing equipment
- Cooling:
  - PCS: Forced air
  - Battery: air-conditioning cooling/heating

Mechanical and environmental features

- Dimensions (L×W×H): 1257 mm×1437 mm×2180 mm
- Weight: 2557±50 Kg
- Storage Temperature: 10°C ≤ T ≤ 35°C (standard) ; 6 months
  -20°C < T ≤ 45°C (limit) ; 1 month ≤ -20°C ; > 45°C Not permitted
- Operation Altitude: 2000 m without degradation
- Operation Ambient Temperature: -20°C ~ 55°C derating > 45°C
- IP degree: IP55
- Anti-salt mist grade: C5M (Only the Case metal)

Firmware

- Over-The-Air update supported

Schneider Boost Pro

AC side

- Rated power: 100 kVA
- Grid Type: 3P+N+PE
- AC Rated voltage: 230/400 Vac
- AC Rated current: 145 A
- AC Voltage Range: 85%~ +110%
- Rated Frequency: 50 Hz
- AC Frequency Range: 47-52 Hz
- Power Factor: -1...+1, (Power Factor at Rated Power/Adjustable Power Factor)
- Power Accuracy: +/- 1.5%
- THDI: <3% (rated power)
- THDU: <3%(rated conditions, resistively balanced load)
- Over-voltage category: OVCIII

DC side

- Cells Type: LFP Prismatic
- Pack Configuration (parallel / series): 1P20S
- Cluster Configuration (parallel / series): 1P240S
- Nominal Energy: 215 kWh
- Usable Energy: 200 kWh (93% DOD)
- Rated Voltage: 768 Vdc
- Voltage Range: 720 V to 852 V DC
- Round trip efficiency: 90.8%
- Self-discharge Rate: 3.52% at 100%SoC & 28 days
- Rated Capacity: 280 Ah
- Rated Power: 100 kW
- Power fade: 0% *based on battery supplier analysis on SoH >=70% condition
- Over-voltage category: OVCII

For maintenance services

EcoStruxure Energy Asset Portal - Maintain

A cloud-based solution that enables Schneider Electric's experts to diagnose remotely.

EcoStruxure Energy Asset Controller

Characteristics

EPCEACEU1

Environmental Data Program

RoHS compliant
Reach compliant

Standards

EN 55032
EN 55035
EN 62368-1
EN 62311
EN 301489-1
EN 301489-52
EN 301511
EN 18031-1
ETSI EN 301908-1
ETSI EN 301908-2
ETSI EN 301908-13
EN IEC 61000-6-2
EN IEC 61000-6-4

EcoStruxure Energy Asset Controller characteristics

EcoStruxure Energy Asset Controller (EEAC) is an edge controller enabling onsite monitoring, control, and optimization of a site's electrical assets (battery, solar, EV charging infrastructure...).

Power Input

- Operating voltage range: 9 ~ 28 VDC
- Max power dissipation: 15 W
- Rated Power Consumption: 5 W
- Rated Voltage: 24 V

Mechanical and environmental features

- Dimensions (H x W x D): 137 mm x 108 mm x 36 mm
- Weight: 654 g
- Installation method: Din-Rail
- Operating Ambient Temperature: -35°C to +65°C
- Humidity: 0% to 95% RH (no condensation)
- Protection Grade: IP20
- EMC level: class A

Communication

- 4G Communication: LTE-CAT4
- Ethernet Interface: LAN & WAN
- RS485 Interface: 4 Channels, isolated
- CAN Interface: 2 Channels, isolated
- Micro SD: 1 Canal, ≤32G
- Operating System: Linux
- Communication Protocol: Modbus RTU ; Modbus TCP ; ProtoBuf ; MQTT

Firmware

- Over-The-Air update supported

Accessories

EPCEACACCEU1

Complete kit to be installed with EcoStruxure Energy Asset Controller into the electrical switchboard for operation.

Kit components: 4G antenna, wire harness set, EU standard plug, switching power supply, cold rolled terminals.


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Yenilikçi bina teknolojileri
Kl. 2
318 kJ
Bolesta
Schneider
Electric
BSD
BSD
Kl. 2
318 kJ

eMobility Services

eMobility Services

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Yenilikçi bina teknolojileri

Services over the entire lifecycle

We support you wherever you are in your eMobility adoption.

Our 4 service values

Increased Uptime and Reliability

By ordering a service contract, get an advantage of guaranteed SLA, our smart and efficient approach is designed to significantly improve overall uptime and reliability.

Personalized deal

Leverage a contract individually tailored to your requirements and conditions.

Increased lifespan of your equipment

Extend the lifespan of your products and systems with preventive maintenance and services.

Optimized OPEX

Schneider Electric helps reduce on-site maintenance frequency and cost through advanced digital Operations and Maintenance Systems.

Training

Equip your teams with the skills to install, commission, and maintain your charging stations.

Installation

We provide complete installation services – civil engineering, charging infrastructure, and site assessment – carried out by our certified partners..

Consulting

Our consultants guide you from day one to deliver a fully tailored eMobility integration whether for a new project or to upgrade your present infrastructure.

Commissioning

Get an on-site or remote support assistance with our experts Field Services representatives. Integrate EcoStruxure™ EV Charging Expert for optimized operations.

Preventive maintenance

Annual visits to keep your charging stations safe, at peak performance, and fully operational year-round.

Service plan

A tailored maintenance plan to reduce costs, increase uptime, and provide long-term support – including 24/7 hotline, fast spare parts, and rapid dispatch.

Corrective maintenance or upgrades on demand

Rapid on-site support deployment in case of downtime.
Upgrade of the charging infrastructure if your needs evolve.

Contact your local eMobility sales representative for further information

How do I install and commission?

Commissioning

For complex AC architectures with EcoStruxure EV Charging Expert, EVlink Pro AC, EVlink Pro DC or Schneider StarCharge Fast

Our technical experts provide on-site and remote assistance in commissioning new charging station.

Benefits

- Minimize start-up time and improve end-user satisfaction.
- Take advantage of the expertise of Schneider Electric technicians on the choice of settings to improve system performance.
- Leverage an installation that complies with the Schneider Electric standard of practices and therefore optimizes equipment uptime and costs.

Download the MySchneiderApp and Manage your eMobility Asset seamlessly!

Manage the performance of your asset

- Manage the performance of your asset
- Anticipate any issues
- Technical support through FAQs and contact to the Customer care center

Download the Application

REGISTER YOUR ASSET NOW

Warranty Extension

Long-term protection of your asset with warranty extension

Our warranty extension* allows you to expand your factory warranty for an additional one or three years, giving you more flexibility and peace of mind, and improved control of your maintenance budget.

Benefits

- Keep repair costs under control
- Reduce maintenance costs of new products installed
- Tap into coverage flexibility and choose either one or three years

*The warranty extension can only be ordered at the time of purchasing your charging station.

Check warranty duration with your local sales representative and register the warranty extension by contacting our Customer Care center.

How do I maintain?

eMobility Service Plan

Extend life and performance of your equipment with our Services Plan

At Schneider Electric, we believe that the time and cost associated with EV charging infrastructure should never be barriers to achieving sustainable goals.

Benefits

- Continuous support with 8/5 remote technical support
- Optimize investment and increase uptime
- Control your budget with one fixed yearly plan for all maintenance needs
- Operate in optimum conditions with high-end services and up-to-date features and firmwares.

Maintenance service

EcoStruxure Energy Asset Portal - Maintain

A cloud-based solution that enable remote services from our Schneider Electric experts.

eMobility Spare Parts

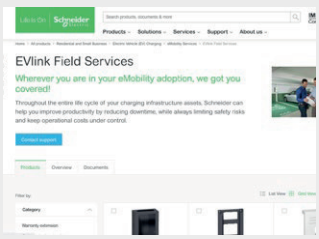
Maximize reliability and safeguard your maintenance needs with high quality original parts

Schneider Electric provides you with original, high-quality and fast delivered spare parts, always available from our local, regional and global stocks together with repair work when needed.

End of life policy

- Schneider Electric provides continuity of service for all withdrawn products.
- Withdrawn spare parts, accessories and charging stations are available for 5 years from the commercialization end date to replace or repair products.

Learn more on Schneider Electric website



Spare part list
on the website
EVlink Field services

Technical documentation
Please refer to bibliography in Appendix

How do I optimize?

EcoStruxure EV Charging Expert Upgrade and commissioning package

Extend the eMobility infrastructure

Schneider Electric technicians upgrade your EcoStruxure EV Charging Expert license to extend the charging station management capacity and/or to move to dynamic load management without buying new products.
They also perform on-site commissioning for additional charging stations and update the EcoStruxure EV Charging Expert software settings.

A professional network

eMobility Partner Program

Schneider Electric eMobility certified experts lead the way towards adopting new technology and processes to deliver high-quality services to our customers.

By becoming part of our partner network, you will be at the forefront of smart charging technology and expand your reach.

Join our professional network of certified eMobility partners to engage in a continuous specialization path.

Approved Installer for EVlink™

Schneider Electric

Benefits

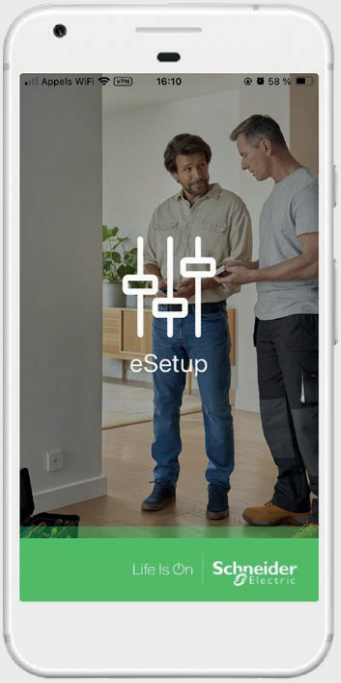
- Gain in-depth knowledge and expertise
- Access to innovative digital tools and technical support
- Co-branding that enables the growth of your business

Mobile Apps for Partners

Easy commissioning with eSetup

- Save time on installation and commissioning and access to the charge details and maintenance report.

Download the Application

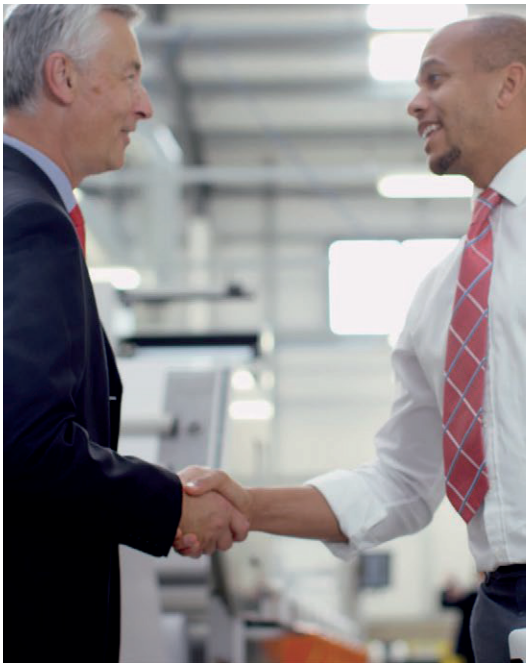


Get in touch for support

Customer care support

As one of our partners and customers, you have access to our technical support!

Schneider Electric offers bespoke remote support to help you improve your productivity by quickly resolving any technical issues related to your eMobility products, both for the hardware and software to answer any question one phone call away from you.



Premium Support

Our Premium Support is a highly responsive service adapted to our most loyal customers.

It allows us to answer your technical questions faster, with a commitment to a timeframe for response according to a Service Level Agreement on Initial Respond Time, and suitable resources to resolve the issue at hand. It enables direct access to Advanced Support Agents with multi-channel communication (phone, email, and chat) together with exclusive access to MySchneiderPortal containing exclusive FAQ content.

Reach out to our Customer Care team in your location

eMobility Training

Make the most of your staff's skills, giving them the resources to perform high-end services.

Schneider Electric offers a wide selection of training solutions to enhance your competencies in the right area of expertise

Select your courses now on the technical training course finder

Electrical Distribution for EV and Storage Solutions

Schneider Electric Power Distribution

Increasing use of Electric Vehicle will require an intense growth of charging infrastructure. The vehicle charging needs connection to an electricity supply, the question of electrical distribution is central. The so-called EVSE (electric vehicle supply equipment) are intended to be installed in various environments.

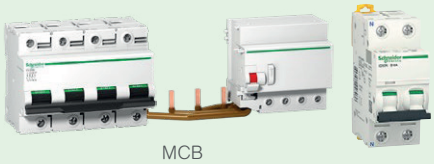
the International Electrotechnical Committee (IEC) defined a set of standards, covering devices for protection (short-circuit, electric shocks, overvoltage) and electrical installation standards.

Please refer to appendix

Overview

Electrical Protections

MCCB



MCB

RCD

iMNx

Energy Efficiency

Metering solutions

EcoStruxure Panel Server

Scalability

Canalis

Kaedra

Pragma

PrismaSeT range

KPX - Kiosk Prefabricated Substation

Learn more about Electrical Distribution Solutions

Acti**9** Type A-SI or Type B
Residual Current Devices (RCD, RCBO and RCCB)

Electrical protections for residential or buildings applications

As the EV connected to an AC EVSE may reject DC residual current during charging, the selection of type of RCD shall be considered carefully.

- Type A RCD, complying to IEC 61008 or IEC 61009 series can be used in conjunction with an EVSE equipped with a Residual Direct Current Detecting Device (RDC-DD), complying to IEC 62955, intended to detect 6 mA DC residual current.

- Type B RCD provides protection against residual AC, pulsating DC and smooth DC residual currents It provides also continuity of service in case of small DC residual currents.

Acti9 RCBO
A9DB2616

Acti**9** iCV40N Type A-SI

- **Helps protect people** against earth leakage currents from multifrequency components, generated by charging station technology that can cause fibrillation and electrocution.
- **Simplify operation** thanks to VisiSafe™ and VisiTrip™.
- **Monitor and control the electrical panel** with PowerTag and Smartlink auxiliaries.

Acti9 iCV40N RCBO Type A-SI is certified (IEC/EN 61008-2-1)

Acti9 iID B type
A9Z51240

Acti**9** iID B type for EV

- **Helps protect people** against multifrequency earth leakage currents, generated by charging station technology that can cause fibrillation and electrocution.
- **Be installed** in coordination with other upstream and parallel RCDs (refer to the Schneider Electric Residual Protection Device guide for coordination tables).

IEC 60364-7-722 standard requires a 30 mA residual current protection for direct contact.
Acti9 iID B type RCCB for EV is certified (IEC/EN 62423) and is fully compatible with EV charging stations for residential and tertiary applications.

iMNX
A9A26969

iMNX undervoltage release tripping unit to increase continuity of service and enhance people protection

iMNx is an undervoltage release, independent from the supply voltage function which adds a second level of electrical protection.

Regardless of the RDC-DD 6 mA and in accordance with IEC60364-5-53 and EV Ready requirements, the MNx helps to protect people during intervention on electrical equipment and to increase continuity of service. IEC61851 ed3.0 §8.1 also recommends a monitoring solution to provide an isolating function.

Most of EVlink Pro AC charging stations have an embedded iMNx release.
If not, iMNx can be supplied with the charging station.

Acti**9** iC120N and Acti**9** Vigi iC120

Miniature circuit breaker and Earth leakage protection

Acti9 iC120N
A9N18480

Acti9 Vigi iC120
A9N18597

Standards

EN/IEC 60898-1
EN/IEC 60947-2

Acti**9** iC120N and Acti**9** Vigi iC120

Acti9 iC120H circuit breakers are multi-standard circuit breakers that combine the following functions:

- circuit protection against short-circuit currents
- circuit protection against overload currents
- suitability for isolation in the industrial sector to IEC/EN 60947-2
- fault tripping and indication by adding auxiliaries.

Acti9 Vigi iC120 is a modular add-on residual current devices.The earth leakage protection class is SI type and voltage independent technology. Sensitivity is available in 30 mA, 300 mA, 500 mA and 1 A.

When a Vigi iC120 device is combined with an iC120 circuit breaker, it provides the following functions:

- protection of persons against electric shock by direct contact (30 mA),
- protection of persons against electric shock by indirect contact (u 300 mA),
- protection of installations against fire hazards (300 mA to 1000 mA).

Learn more on se.com

ComPacT NSX

VigiPact
LV432465

Learn more on
ComPacT NSX
& NSXm
Circuit Breakers

ComPacT NSX VigiPact add-on

ComPact NSX with VigiPact Add and ComPact NSX with Micrologic 4 & 7 are Residual Current Device (RCD) according to IEC 60947-2 Annex B with a sensitivity adjustable from 30 mA to 30 A.

RCD may be required for protection against electric shock in case of line to earth fault and/or protection against thermal effect caused by insulation fault, depending on local regulation and characteristics of the installation (e.g long cables or earthing systems).

Standards:

- IEC 60947-2, annex B
- IEC 60755, Type A, immunity to DC components up to 6 mA
- Operation down to -25 °C as per VDE 664

Current information and protections to use with EVlink Pro DC 60	
Current	
Power	**60 kW**
Rated current	**97 A**
Max. current	**107 A**
Electrical protection	
Circuit Breaker (Overcurrent) Schneider ElectricTM reference*	**3P+N or 4P** **Acti9 C120 4P 125 A, curve C + Acti9 vigi C120 4P 30mA type A-SI (Optional RCD Protection)**

Current information and protections to use with EVlink Pro DC and Schneider StarCharge Fast 120 - 150 - 180 - 240 - 320 kW				
Current				
Power		**120 kW**	**150 kW**	**180 kW**
	Rated current	**193 A**	**242 A**	**291 A**
	Max. current	**214 A**	**268 A**	**323 A**
Electrical protection				
	Circuit breaker (overcurrent)	**3P+N or 4P**	**3P+N or 4P**	**3P+N or 4P**
	References	**C25F4TM250* or C25F44V2501***	**C40F42D400**	**C40F42D400**
	Optional RCD protection (VigiPact)	-	**LV432465**	**LV432465**

*Optional RCD protection included.
Note: if there is plan to upgrade later (from 120 to 150 kW or 150 to 180 kW...) already consider the protection sizings for DC 180 kW.

Metering solutions

duyar motorpompa®
Yenilikçi bina teknolojileri

Metering solutions to display the active energy consumed.

- Maximize charging power in residential and small tertiary applications
- Provide a MID certified meter so that the payment and billing is linked to the amount of energy consumption
- Send active energy consumed information in OCPP to a supervision solution with communicating meters.

R9M80X6M
1 phase

R9MUX6M
3 phases

Resi9 Energy Meter 1or 3-phases

Main function

- Metering function that communicates power and current to the charging station to avoid tripping of the installation
  - Imax (3P) = 80-160-250A
  - Imax (1P) = 80A

Avantages

- Device configurable with eSetup
- Accuracy 1% (class1) in accordance to IEC 61557-12 standard.
- Unlimited numbers of pairs can be used at the same time (1000m max. Modbus cable length).

Inconvenient

- Extra cable needed due to communication through modbus RS485

R9MCT80

R9MCT160

R9MCT250

Three current transformers are proposed with different ratings: 80/160/250A. For single phase module, only CT80A is compatible. Specific marking on the CT is showing the current flow to avoid mismatch on the power cable.

Metering solutions

Standalone meters with external current transformers

METSEPM5320

PowerLogic Power meter

Commercial reference	METSEPM5320
Communication	1 Ethernet port
Accuracy class	0.5 S
Dimensions	96 x 96 x 72 mm (H x W x D)
Consumption	130 mA / 24 V DC - 65 mA / PoE 48 V DC
To be completed with (not provided) • a closed Current Transformer • a cut-off device • a short-circuiting block	

PowerLogic PM5000 series power meters offer high-end cost management capabilities in a straightforward metering platform.

A9MEM3155

iEM Energy meters - MID

Commercial reference	A9MEM3155
Communication	Modbus
Accuracy class	Class 1 active energy conforming to IEC 62053-21 Class 1 active energy conforming to IEC 61557-12 Class B active energy conforming to EN 50470-3
Width	90 mm
Poles description	3P+N 1P+N 3P

Acti9 iEM3000 series energy meters are cost-attractive, feature-rich energy meters for DIN rails and modular enclosures. More than just kWh meters, the Acti9 iEM3000 series meters provide a full overview of both energy consumption and on-site generation with full four-quadrant measurements of the active and reactive energy delivered and received.

Circuit breakers with embedded metering

The Enerlin'X communication system provides access to device status, electrical values and control, using Ethernet and Modbus SL communication protocols.

Enerlin'X IFE
LV434002

Enerlin'X IFE switchboard server for ComPacT NSX circuit breaker

Commercial reference	LV434002
Enerlin'X IFE provides an Ethernet interface to a ComPacT NSX circuit breaker when it has an embedded metering module	
Electrical distribution	3-P, 4-P
Communication	Modbus TCP with circuit breaker
Metering	charging station energy consumption

MasterPacT MTZ with Micrologic Control unit

Enerlin'X EIFE
LV851001

Enerlin'X EIFE Embedded Ethernet interface for drawout MasterPacT MTZ

Commercial reference	LV851001
Enerlin'X EIFE provides an embedded Ethernet interface to a MasterPacT circuit breaker with a Micrologic Control unit that can perform the charging stations metering	
Electrical distribution	3-P, 4-P
Communication	Modbus TCP with circuit breaker
Metering	charging station energy consumption

IoT gateway for an intelligent power network

EcoStruxure Panel Server is a modular gateway with enhanced cybersecurity that provides easy and fast connections to multiple concurrent edge control or cloud applications.

EcoStruxure Panel Server
PAS600

EcoStruxure Panel Server

Commercial reference	PAS600 / PAS600L / PAS600T
Ethernet communication	2 Ethernet ports, type 10/100 Base: HTTPS, Modbus TCP/IP, SFTP, SNMP, ARP
Serial communication	1 serial port (RS485, 2 wires) – RS232 not supported Modbus serial protocol
Power supply	24 VDC, POE, 100-240 VACDC, 100-277 VACDC (different Panel Server references)
Consumption	3W max for 24 VDC – 5W max for 100-240 VACDC, 100-277 VACDC
Width	72 mm
Operating temperature	-25°C to +70°C

Canalis™
Decentralized EV distribution

Canalis system for AC or DC charging stations

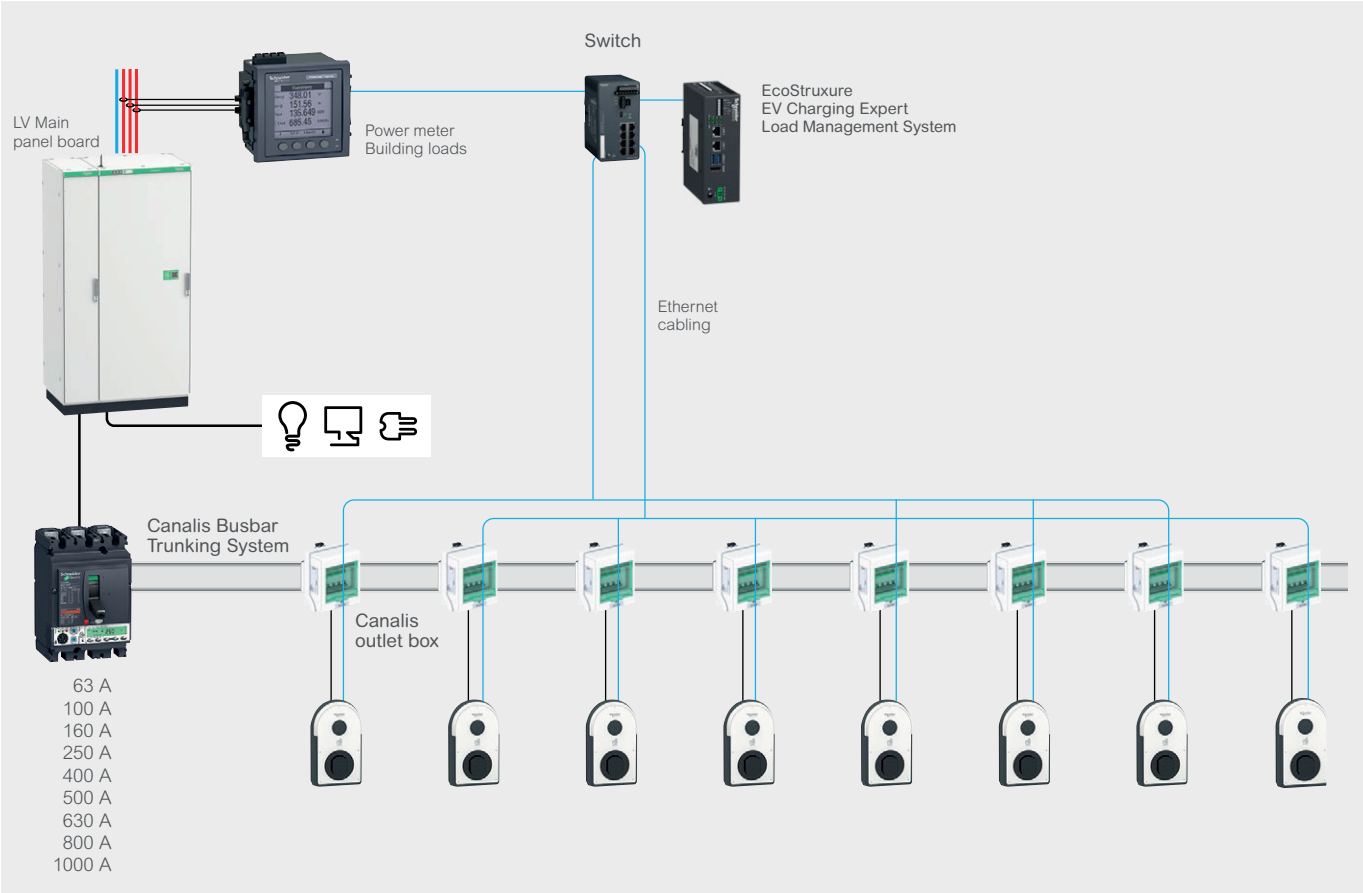
Decentralized EV charger electrical distribution with the Canalis KS system allows you to save time on installation, and to simplify your future EV infrastrucures' extensions.

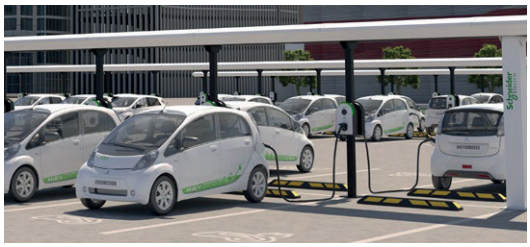
Save space in your LV Switchboard and cost in the event of a change in the system*:

- Installation in half the time compared with cables
- Future readiness

Decentralized distribution with Canalis is an optimized solution for car parks and garages, bringing easy servicing and scalability, and an even easier futur maintenance.

Electrical distribution with Canalis KS for EVlink Pro AC installation





A new concept for outdoor charging stations.

Canalis for EV is a plug-and-play system, powered by Canalis KS and based on a modular design composed of prefabricated parts which are available through the distribution network.

A modular solution to bring a maximum of possibilities

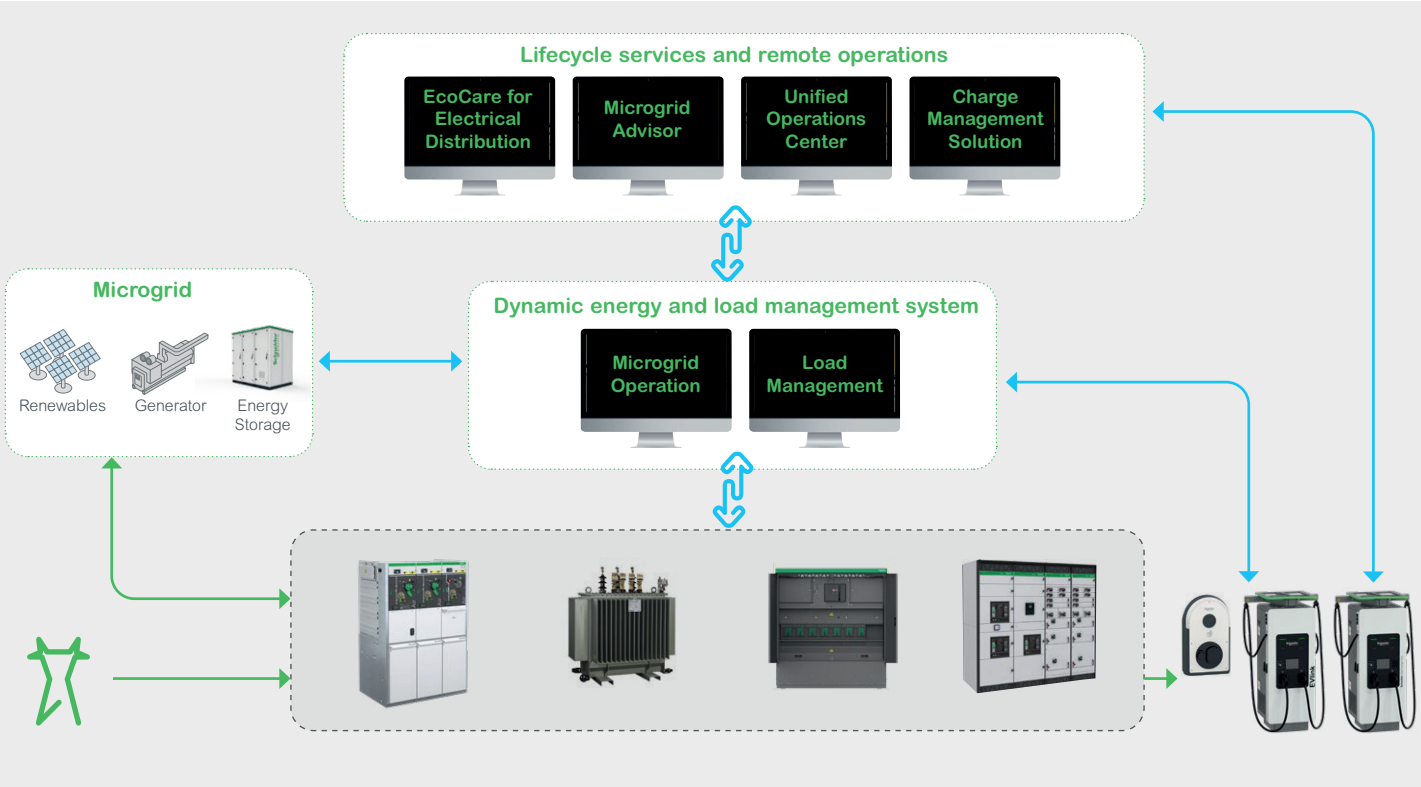
1. Canalis is fed by cables coming through the feed pillar or rom the top when the canopy is next to a building.
2. Chargers are powered by Canalis KS busbar trunking and its tap-off units.
3. The structure is adapted for all situations, regardless of the parking space size, the number of chargers weither they are installed in front or side of the pilars.
4. The canopy surface can be used to identify the parking places with numbers, company name... and can be equipped with lights to help the car connection.
5. The feed pillar can be customized to be equipped with a payment terminal.

Learn more about
Canalis ™ for EV Outdoor
Charging Infrastructure

KPX Prefabricated Substation
Energizing EV ecosystem with Future-ready Solutions

Our solution incorporates individual power components or deploy a scalable, modular solution with a connected system on both edge & cloud.

From grid to charging EVSE: an end-to-end architecture for eMobility



KPX Prefabricated Substation

Includes LV FeederSeT, Liquid Filled Transformer and up to 24 kV RM AirSeT switchgear (air insulated) – all mounted on a common skid base with an overall integral metal enclosure. Engineered for the Future of E-Mobility.

Key Features & benefits

- **Compact Footprint**: Available in 5.4 m, 6.6 m and 8.2 m lengths.
- **Flexibility**: Various configurations of LV, Transformer and MV equipment available.
- **Designed, type tested and compliant** to IEC62271–202 standard "AC Prefabricated Substations".
- **High Power Capacity**: Supports transformer ratings from 1000 kVA to 4000 kVA, enabling fast-charging hubs and fleet depots.
- **MV Application Flexibility**: Compatible with 12 kV and 24 kV networks for diverse grid integration.
- **LV Internal Arc Control**: Enhanced performance with 50 kA for 0.5 sec LV arc containment.
- **MV Internal Arc Control**: Meets requirements of IAC -AB for operator and public protection requirements.
- **Outdoor weatherproof design**: Integral overall metal enclosure provided - No need for additional housing – ideal for roadside locations, parking depots, in-transit charging hubs and many more installations types.
- **Remote Monitoring & Control**: Enables monitoring of asset health & real-time diagnostics for EV charging networks.
- **Single Lift Installation**: Simplifies deployment with minimal civil works and reduced site disruption.
- **Built-in Transformer Liquid Containment**: Full-volume catchment/ bunding avoid environmental contamination risks.
- **Accelerated Deployment**: Factory-assembled for rapid rollout of EV charging stations.
- **Lower Total Cost of Ownership**: Reduced installation time and civil engineering costs.
- **Scalable Power Delivery:** Supports high-density EV charging clusters and future load growth.

LV FeederSeT: Key Features & benefits

Learn more about FeederSeT product

Watch the video

- **Weatherproof** for outdoor installation up to IP54.
- **Compact Footprint**: Saves space compared to switchboards with separate housing.
- **High Current Capacity**: Incorporates ACB's and MCCB's up to 5000 A, scalable for large EV charging hubs.
- **Internal Arc Compliant** in accordance with Category A of IEC TR 61641
- **Type Tested** to 70 KA for 1 second at 400 VAC & 42 KA for 1 second at 690 VAC in accordance with IEC 61439-2 & 7
- **Future-Proof Infrastructure**: Modular and scalable to meet growing EV demand and evolving standards.
- **ASTA certified modular design**, available in 4 standard shell sizes which can be coupled or extended
- **Unparalleled digital experience** utilizing sensors & asset management technology for asset health and temperature monitoring.
- **Flexible Installation**: Available in transformer-mounted or freestanding configurations to suit diverse site layouts.
- **Unique MCCB cassette system** enabling easy extension or on-site reconfiguration of the assembly to meet ever-changing demands of EV.
- **Rapid Deployment with single lift assembly**: Pre-engineered and factory-tested for fast rollout of EV charging stations.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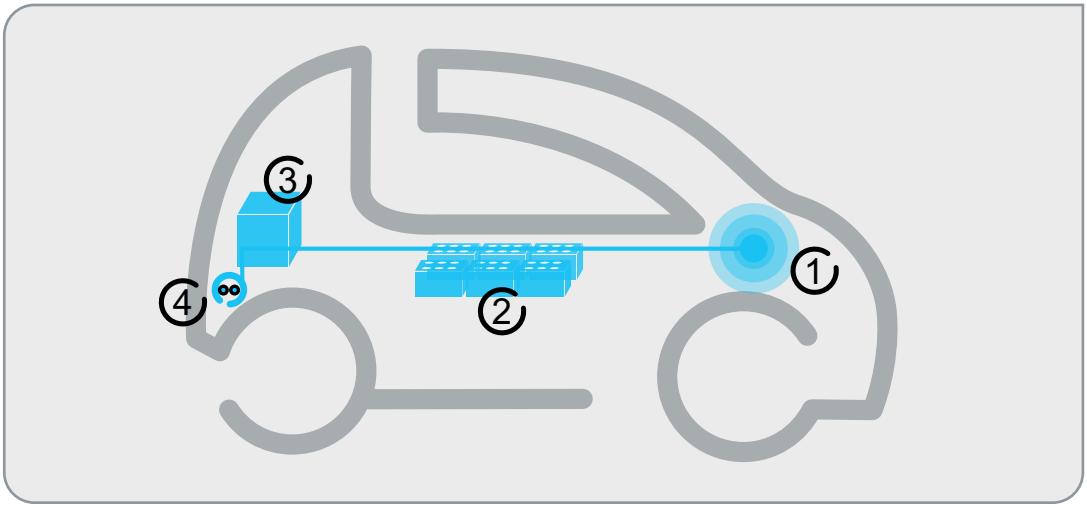
Appendix

Electric Vehicle additional information

How does it work?



4 major components:

① Motor

The vehicle has one or more motors. Depending on size and performance, the total power ranges between 15 and 200 kW.

Example: 48 kW (65 hp) for a small 4-seater sedan.

② Batteries

Huge advances in battery technology have been made in recent years. Lead has gradually been replaced by other, more efficient compounds. Research continues with a view to improving capacity and reducing weight.

The most common technology at present is lithium-ion.

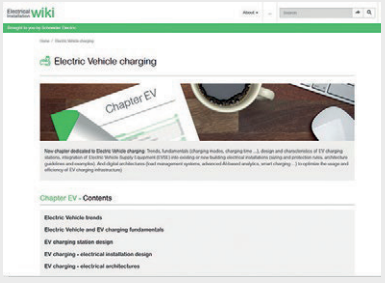
These new batteries have no memory effect and can therefore be charged without having to be completely empty beforehand. They are present in telephones, laptop computers, and some aircraft, as well as in electric vehicles.

③ On-board charger

The vehicle is fitted with one battery charger supplied in AC by the charging station that defines the maximum charging current available. In some vehicles the battery charger may also be supplied in DC by the charging station.

④ Charging inlet

The vehicle is fitted with at least one inlet for AC charging. In some vehicles, the inlet can also be used for DC fast charging or is completed by a second inlet for DC fast charging.



Learn more

Wiki Guide
for electric vehicle charging

Electric Vehicle standards

Charging an electric vehicle means connection to a powerful electricity supply.
All electrical installations should be properly designed, constructed, and treated according to the IEC standards for EV installations.

The International Electrotechnical Committee (IEC) has defined a set of standards for EV infrastructure, covering devices, protection and electrical installation.

IEC 61851 standard for EV supply equipment

This standard defines the fundamental aspects of EV charging and contains all the requirements covering the EVSE, as equipment. Therefore, the EVSE must comply with the IEC 61851 series and shall be supplied according to IEC 60364-7-722 Requirements.

Electric Vehicle Supply Equipment complying with IEC 61851-1 edition 3

IEC 60364 -part 7-722 for Low Voltage installations

The international series of standards for Low Voltage Electrical Installations (IEC 60364 series) contains a new part dedicated to supplies for electric vehicles.

IEC 60364 part 7-722 requires electrical protective measures:

- **Protection against short-circuits and overloads with circuit breakers**
- **Protection against electric shocks and risks of electrocution with a 30 mA RCD.**
  The RCD shall preferably be of type B, or possibly of type A in case the EVSE contains a 6 mA DC detection
- **Protection against overvoltage with a surge protection device (SPD)**

Acti9 iC60 circuit breaker

Acti9 B type
Earth leakage protection

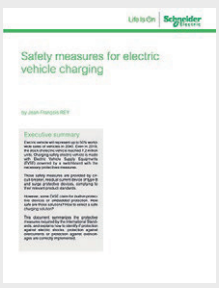
Acti9 Surge Protection Device

IEC 61969-3 standard for enclosure installed outdoor

- IEC 61969-3 for outdoor enclosure (climatic, biological and chemical tests)
- IEC 60927-3-100 installation of electronic equipment
- IEC 62208 and UL50 Empty enclosures
- ISO12944 C4H Anti-corrosion

Class II Electrical protection (for Polyester enclosures)

PanelSet SF/SFN
heavy duty oudoor enclosure



Learn more

White Paper
Safety measures for electric vehicle charging

Communication network

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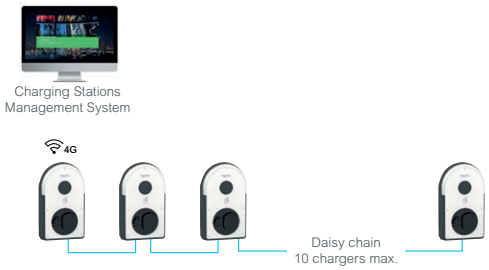
Possible IT network topologies

4G embedded modem

Each charging station is individually connected to the Charging Station Management System.

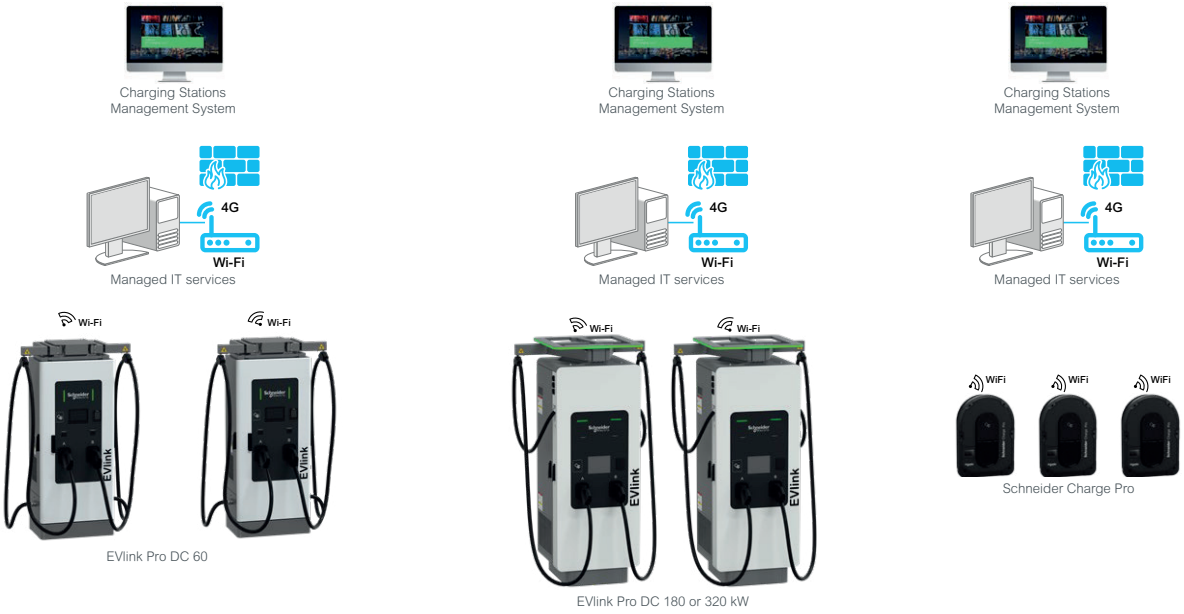
4G embedded modem - EVlink Pro AC Cluster

One charging station owns an embedded modem and shares 4G connectivity within a maximum of 9 other charging stations.



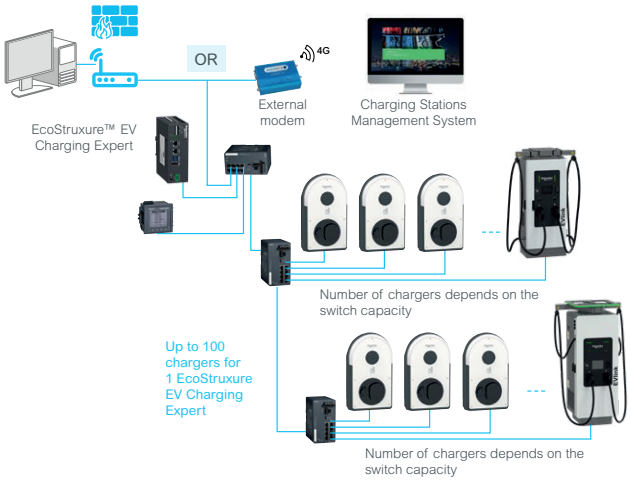
Wi-Fi communication - EVlink Pro DC, Schneider StarCharge Fast or Schneider Charge Pro

This communication set-up requests a local Wi-Fi network.

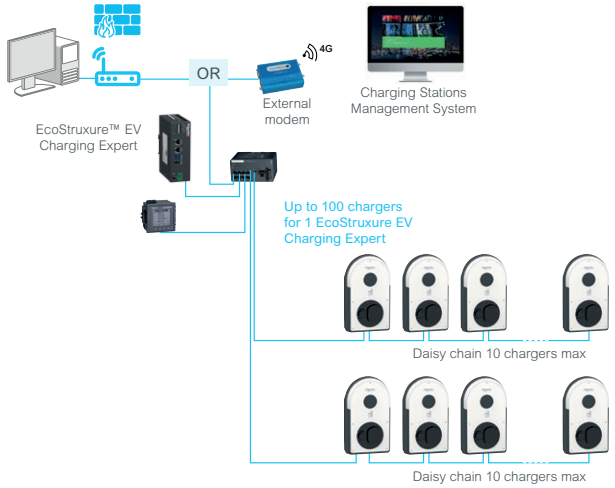


Network topologies for EVlink Pro AC and EVlink Pro DC

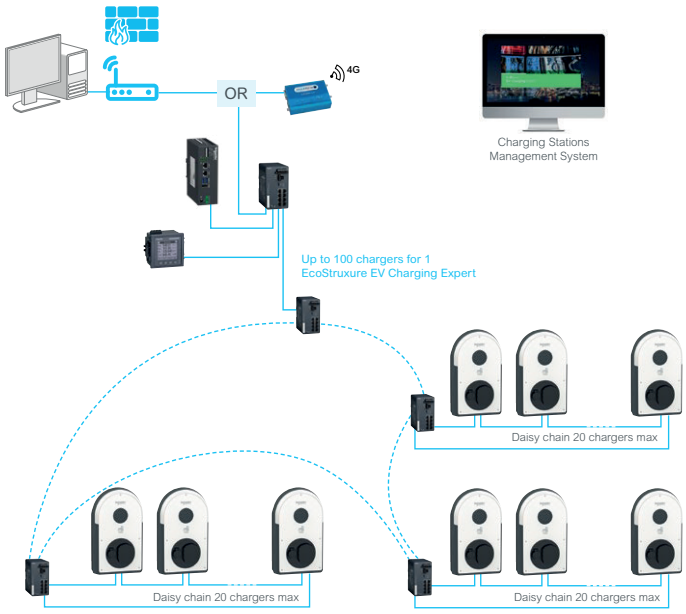
Star



Daisy chain



Daisy chain loop-Ring* for EVlink Pro AC

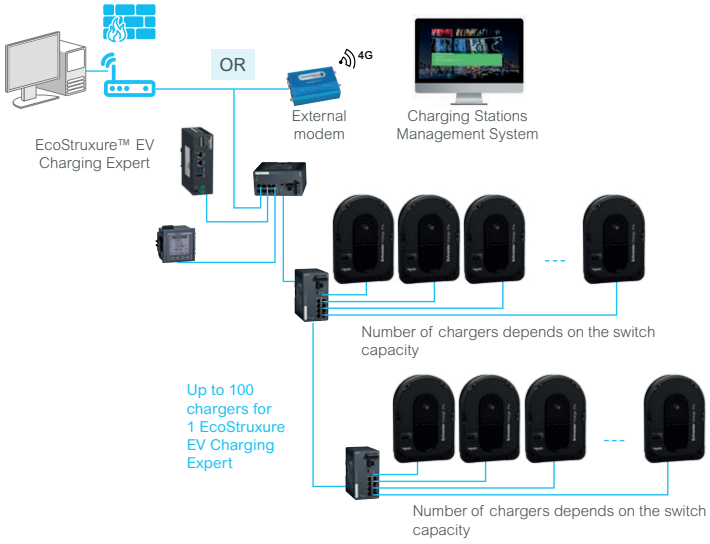


(*) For ring topology, the RSTP bridge priority is set to 32768, not modifiable. The bridge priority of the RSTP switch shall so be set to a lower value: for instance, 4096.

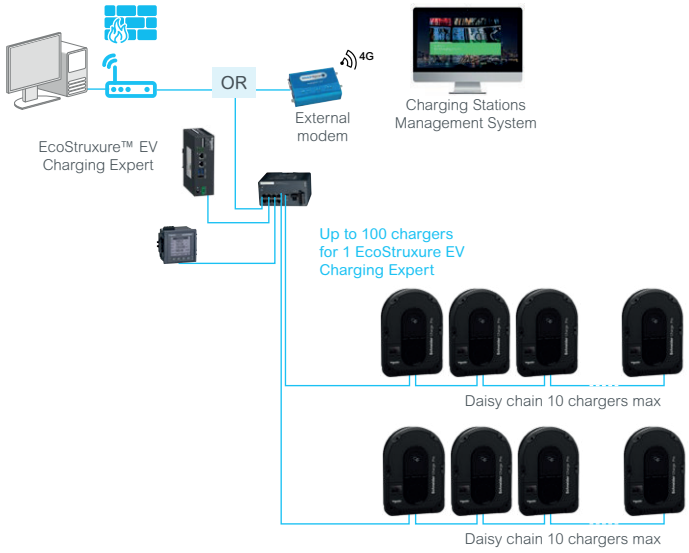
Communication network

Network topologies for Schneider Charge Pro

Star



Daisy chain



Modicon Managed and Unmanaged Switches

The Modicon Networking range offers you a smart and flexible way to integrate Ethernet solutions into your operation, from the device level to the control network and to your corporate network.

Unmanaged switch for star topology

4 ports for copper

MCSESU053FN0

8 ports for copper

MCSESU083FN0

Managed switch for ring and daisy chain topologies

4 ports for copper

MCSESM043F23F0

8 ports for copper

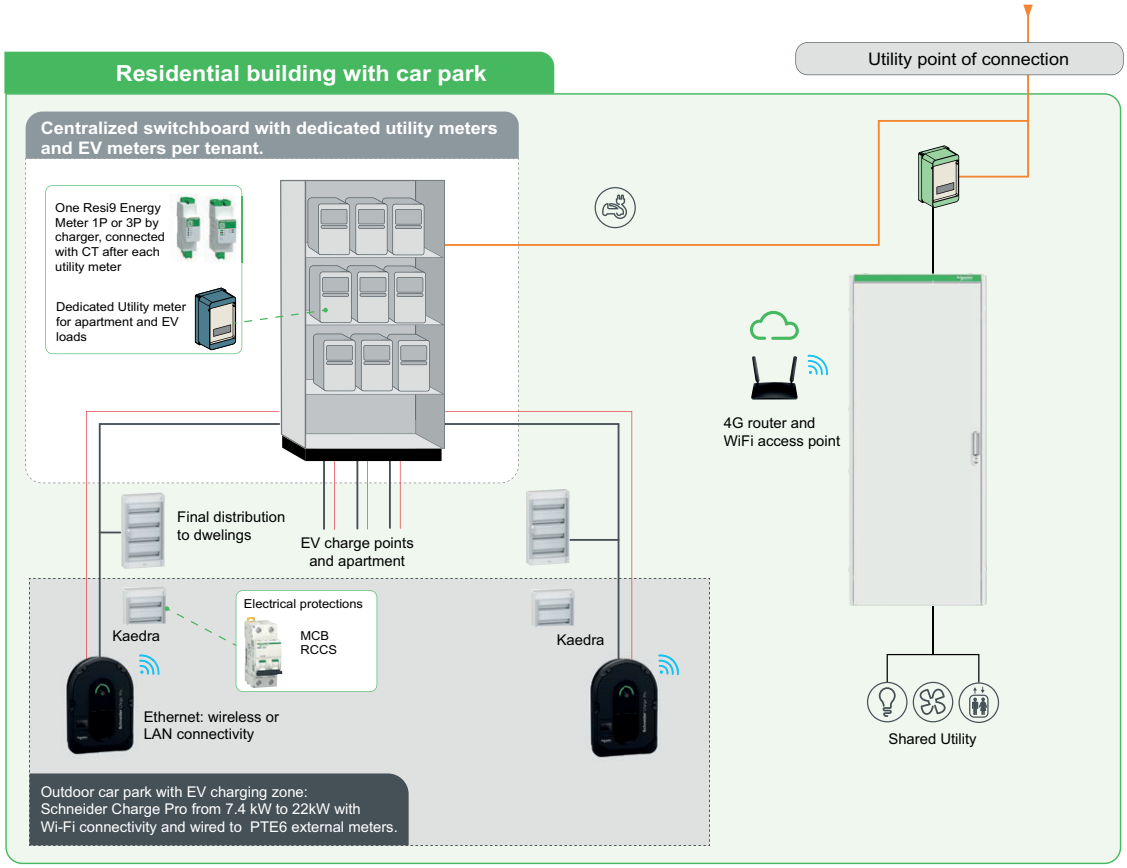
MCSESM083F23F0

These managed switches come with the Ethernet TCP/IP protocol.
They come with 4 or 8 copper cable transmission ports.
They provide simple and complex connectivity for multiple Ethernet devices, network management, enhanced cyber security and more advanced switching features.

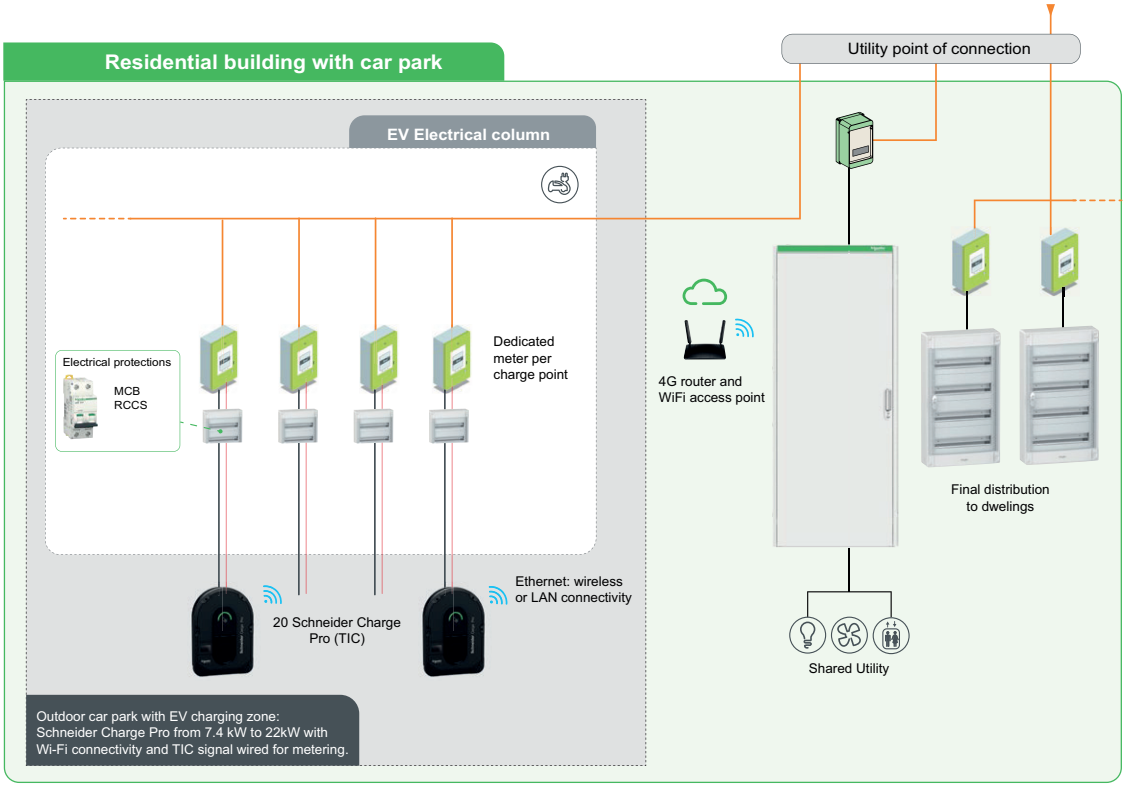
Complete range **of Modicon Switches**

Architecture for Schneider Charge Pro

Reference architecture for metering with Schneider Charge Pro



Reference architecture for TIC metering with Schneider Charge Pro



List of commercial references

Schneider Charge

Characteristics		References[1]
		Schneider Charge
Charging stations with socket outlet		
	7.4 kW (1P32A),11 kW (3P 16A), 22 kW (3P 32A)	**EVH5A22N2S**
Charging stations with attached cable 5 m and T2 connector		
	7.4 kW (1P - 32 A)	**EVH5A07N2C5**
	11 kW (3P - 16 A)	**EVH5A11N2C5**
Charging stations with attached cable 7 m and T2 connector		
	7.4 kW (1P - 32 A)	**EVH5A07N2C7**
	11 kW (3P - 16 A)	**EVH5A11N2C7**

Characteristics		References[1]
		Schneider Charge with TIC*
Charging stations with socket outlet		
	7.4 kW (1P32A),11 kW (3P 16A), 22 kW (3P 32A) (1P/3P+N)	**EVH5A22N400F**

*Only for France

Accessories	References
Peak controller	
1 Phase anti-tripping module (peak controller from 16 A to 50A)	**EVA4HPC1**
1 Phase anti-tripping module (peak controller from 32 A to 100 A)	**EVA2HPC1**
3 Phase anti-tripping module (peak controller from 16A to 50A)	**EVA2HPC3**
Gun Holder	
Schneider Charge Gun Holder	**EVA5GH**

Services	References
Schneider Charge - Warranty extension	
Additional 1-year Warranty Extension	**EVS2W1H**
Additional 3-year Warranty Extension	**EVS2W3H**

Schneider Charge Pro

Characteristics	References[1]
Charging stations with socket outlet	
Charge Pro 22KW T2S TIC	**EVB4S22N40**
Charge Pro 22KW T2S MID TIC	**EVB4S22N40M**
Charge Pro 22KW T2S TIC 4G	**EVB4S22N40G**
Charge Pro 22KW T2S MID TIC 4G	**EVB4S22N40MG**
Charging stations with attached cable	
Charge Pro 22KW Att Cable	**EVB4S22NC0**
Charge Pro 22KW Att Cable MID	**EVB4S22NC0M**
Charge Pro 22KW Att Cable 4G	**EVB4S22NC0G**
Charge Pro 22KW Att Cable MID 4G	**EVB4S22NC0MG**

Accessories and Spare parts	References[1]
Peak Controllers	
1 Phase anti-tripping module (peak controller from 16 A to 50A)	**EVA4HPC1**
1 Phase anti-tripping module (peak controller from 32 A to 100 A)	**EVA2HPC1**
3 Phase anti-tripping module (peak controller from 16A to 50A)	**EVA2HPC3**
Pedestal Plate	
Pedestal plate for 1 Schneider Charge Pro	**EVA2PBS1**
Pedestal plate for 2 Schneider Charge Pro	**EVA2PBS2**
Plate to convert pedestal from 1 to 2 Schneider Charge Pro	**EVA2PCS2**
Spare Parts	
T2 socket Sparepart	**EVP2SSS43**
ISO15118 communication module for AFIR compliance	**EVA2M8**

(1) References to be defined and local availability to be checked by Schneider Electric front offices.

EVlink™ Pro AC and Pro AC Metal

Characteristics	References
Charging stations with socket outlet	
EVlink Pro AC 7.4 kW 32 A 1PH T2S SOCKET 6 mA RCD Type Asi MNX	**EVB3S07N4A**
EVlink Pro AC 7.4 kW 32 A 1PH T2S SOCKET 6 mA RCD Type Asi MNX MID	**EVB3S07N4AM**
EVlink Pro AC 7.4 kW 32 A 1PH T2S TE SOCKET 6 mA RCD Type Asi MNX MID	**EVB3S07N4EAM**
EVlink Pro AC 7.4 kW 32 A 1PH T2S TE SOCKET 6 mA RCD Type Asi MNX	**EVB3S07N4EA**
EVlink Pro AC 7.4 kW 32 A 1PH T2S SOCKET 6 mA MNX MID	**EVB3S07N40M**
EVlink Pro AC 7.4 kW 32 A 1PH T2S TE SOCKET 6 mA MNX MID	**EVB3S07N40EM**
EVlink Pro AC 11 kW 16 A 3PH T2S SOCKET 6 mA RCD Type Asi MNX	**EVB3S11N4A**
EVlink Pro AC 11 kW 16 A 3PH T2S TF SOCKET RCD Type B EV MNX	**EVB3S11N4FB**
EVlink Pro AC 22 kW 32 A 3PH T2S SOCKET RCD Type B EV MNX	**EVB3S22N4B**
EVlink Pro AC 22 kW 32 A 3PH T2S SOCKET 6 mA RCD Type Asi MNX	**EVB3S22N4A**
EVlink Pro AC 22 kW 32 A 3PH T2S TE SOCKET 6 mA RCD Type Asi 30 mA MNX	**EVB3S22N4EA**
EVlink Pro AC 22 kW 32 A 3PH T2S TE SOCKET RCD Type B EV MNX	**EVB3S22N4EB**
EVlink Pro AC 22 kW 32 A 3PH T2S TF SOCKET RCD Type B EV MNX	**EVB3S22N4FB**
EVlink Pro AC 22 kW 32 A 3PH T2S SOCKET MID 6 mA and MNX supplied	**EVB3S22N40M**
EVlink Pro AC 22 kW 32 A 3PH T2S TE SOCKET MID 6 mA and MNX supplied	**EVB3S22N40EM**
EVlink Pro AC 22 kW 32 A 3PH T2S TF SOCKET MID 6 mA and MNX supplied	**EVB3S22N40FM**
EVlink Pro AC 22 kW 32 A 3PH T2S SOCKET 6 mA MNX	**EVB3S22N4**
EVlink Pro AC 22 kW 32 A 3PH T2S TE SOCKET 6 mA MNX	**EVB3S22N4E**
EVlink Pro AC 22 kW 32 A 3PH T2S SOCKET MID and RCD B EV MNX supplied (recommended for Metallic kit)	**EVB3S22N40MR**
EVlink Pro AC 7.4 kW 32 A 1PH T2S SOCKET 6 mA	**EVB3S07N41**
EVlink Pro AC 7.4 kW 32 A 1PH T2S TE SOCKET 6 mA	**EVB3S07N4E1**
EVlink Pro AC 22 kW 32 A 3PH T2S SOCKET 6 mA	**EVB3S22N41**
EVlink Pro AC 22 kW 32 A 3PH T2S TE SOCKET 6 mA	**EVB3S22N4E1**
Charging stations with attached cable	
EVlink Pro AC 7.4 kW 32 A 1PH Attached Cable 6 mA RCD Type Asi MNX	**EVB3S07NCA**
EVlink Pro AC 7.4 kW 32 A 1PH Attached Cable 6 mA RCD Type Asi MNX MID	**EVB3S07NCAM**
EVlink Pro AC 7.4 kW 32 A 1PH Attached Cable 6 mA RCD-DD and MNX supplied	**EVB3S07NC0**
EVlink Pro AC 22 kW 32 A 3PH Attached Cable 6 mA RCD-DD and MNX supplied	**EVB3S22NC0**
EVlink Pro AC 11 kW 16 A 3PH Attached Cable 6 mA RCD Type Asi MNX	**EVB3S11NCA**
EVlink Pro AC 22 kW 32 A 3PH Attached Cable 6 mA RCD Type Asi MNX	**EVB3S22NCA**
EVlink Pro AC 22 kW 32 A 3PH Attached Cable RCD Type B EV MNX	**EVB3S22NCB**
EVlink Pro AC 22 kW 32 A 3PH Attached Cable MID 6 mA and MNX supplied	**EVB3S22NC0M**

Accessories	References(1)
Pack of 10 RFID Badges	**EVP1BNS**
Cable holder for EVlink Pro AC Metal charger	**EVA1FWHS12**
Permanent T2S socket cable holder EVlink Pro AC	**EVA1PLS1**
Pedestal	
Pedestal for 1 EVlink Pro AC Charger	**EVA1PBS1**
Pedestal for 2 EVlink Pro AC Chargers	**EVA1PBS2**
Plate to convert Pedestal for 1 charger to Pedestal for 2 EVlink Pro AC	**EVA1PCS2**
Metallic kits	
EVlink Pro AC Metal wall mount 1 charge point kit	**EVA1RWKS1**
EVlink Pro AC Metal floor standing 1 charge point kit	**EVA1RFKS1**
EVlink Pro AC Metal floor standing 2 charge points kit	**EVA1RFKS2**
Enclosures	
Thalassa PLS box kit IP66 power cable 25 35²	**EVA1RFKES**
Communication interface	
4G kit - embedded modem with 2 internal antennas for EVlink Pro AC	**EVA1MS**
4G kit - embedded 4G modem with an external antenna for EVlink Pro AC Metal	**EVA1MM**
Smart meter connection Historical Standard TIC tele information client card EVlink Pro AC	**EVA1MTH**
ISO15118 communication module for AFIR compliance	**EVA1M8**
EVlink Pro PAY payment kiosk	
Payment kiosk for EV charging installations	**EVPROPAY**

(1) References to be defined and local availability to be checked by Schneider Electric front offices.

List of commercial references

EVlink™ Pro AC and Pro AC Metal

Charging cables	References
EVlink charging cables	
T2-T2 plug connector 32 A 1 Phase 5 m length	**EVP1CNS32122**
T2-T2 plug connector 32 A 1 Phase 7 m length	**EVP1CNL32122**
T2-T2 plug connector 32 A 1 Phase 10 m length	**EVP1CNX32122**
T2-T2 plug connector 32 A 3 Phase 5 m length	**EVP1CNS32322**
T2-T2 plug connector 32 A 3 Phase 7 m length	**EVP1CNL32322**
T2-T2 plug connector 32 A 3 Phase 10 m length	**EVP1CNX32322**

EVlink Pro AC Spare parts	References
Front panel	
SE white front plate	**EVP1SS**
EVlink Pro AC front cover with light strip	**EVP1SCL**
SE white front plate with cut-out window	**EVP1SM**
Socket outlet	
1PH socket outlet T2S	**EVP1SSS41**
3PH socket outlet T2S	**EVP1SSS43**
1PH socket outlet T2S and Domestic TE	**EVP1SSS51**
3PH socket outlet T2S andDomestic TE	**EVP1SSS53**
1PH socket outlet T2S Domestic TF	**EVP1SSS61**
3PH socket outlet T2S Domestic TF	**EVP1SSS63**
TE domestic socket	**EVP1SSSE**
TF domestic socket	**EVP1SSSF**
Attached cable	
T2 attached cable 3PH 32 A 5 meter length	**EVP1CSS323C**
T2 attached cable 1PH 32 A 5 meter length	**EVP1CSS321C**

Services	References(1)
EVlink Pro AC - Warranty extension	
Additional 1-year Warranty Extension for EVlink Pro AC	**EVS2W1B**
Additional 3-year Warranty Extension for EVlink Pro AC	**EVS2W3B**

(1) References to be defined and local availability to be checked by Schneider Electric front offices.

EVlink™ Pro DC 60

Characteristics	References
Charging Stations	
EVLINK Pro DC 60 kW DC CCS Combo 2 + CCS Combo 2; 3.6 meters cable range; with cable management, 50 Hz	**EVD1S60TBB** **EVD1S60TBB-AN**
EVLINK Pro DC 60 kW DC CCS Combo 2 + CHAdeMO; 3.6 meters cable range; with cable management, 50 Hz	**EVD1S60THB** **EVD1S60THB-AN**
EVLINK Pro DC 60 kW DC CCS Combo 2 + CCS Combo 2; 5 meters cable range; without cable management, 50 Hz	**EVD1S60TBBC5**
EVLINK Pro DC 60 kW DC CCS Combo 2 + CHAdeMO; 5 meters cable range; without cable management, 50 Hz	**EVD1S60THBC5**
EVLINK Pro DC 60 kW DC CCS Combo 2 + CCS Combo 2; 7 meters cable range; without cable management, 50 Hz	**EVD1S60TBBC7** **EVD1S60TBBC7-AN**
Accessories	
Pack of 10 RFID Badges	**EVP1BNS**
74 cm pedestal for EVD1S60TBB or EVD1S60TBBC5 or EVD1S60TBBC7	**EVP1DB3LG**
100 cm pedestal for EVD1S60TBB or EVD1S60TBBC5 or EVD1S60TBBC7	**EVP1DB4LG**
74 cm pedestal for EVD1S60THB or EVD1S60THBC5	**EVP1DB5LG**
100 cm pedestal for EVD1S60THB or EVD1S60THBC5	**EVP1DB6LG**
Cable management accessory for EVD1S60TBBC5 or EVD1S60THBC5	**EVA1D60S01**

EVlink™ Pro DC 60 v2

Characteristics	References
Charging Stations	
EVLINK Pro DC 60 kW v2 DC CCS Combo 2 + CCS Combo 2; 3.5 m with cable management	**EVD2S60TBB-IEC** **EVD2S60TBB-AN**
EVLINK Pro DC 60 kW v2 DC CCS Combo 2 + CCS Combo 2; 3.5 m with cable management and payment terminal	**EVD2S60TBBCC-AN**
EVLINK Pro DC 60 kW v2 DC CCS Combo 2 + CCS Combo 2; 7.5 m cable range without cable management	**EVD2S60TBBC7-IEC** **EVD2S60TBBC7-AN**
Accessories	
Pack of 10 RFID Badges	**EVP1BNS**

Services	References(1)
EVlink Pro DC 60 and Pro DC 60 v2 - Warranty Extension	
1 year Warranty Extension Pro DC 60 kW	**ECOESSPDC60WE**

(1) References to be defined and local availability to be checked by Schneider Electric front offices.

List of commercial references

EVlink™ Pro DC 120-150-180

Characteristics	References
Charging Stations	
EVLINK Pro DC 120 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m range; with cable management	**EVD1S120TBB** **EVD1S120TBB-AN**
EVLINK Pro DC 150 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m range; with cable management	**EVD1S150TBB** **EVD1S150TBB-AN**
EVLINK Pro DC 180 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m range; with cable management	**EVD1S180TBB** **EVD1S180TBB-AN**
EVLINK Pro DC 120 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m cable range; with cable management, payment terminal	**EVD1S120TBBCC**
EVLINK Pro DC 150 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m cable range; with cable management, payment terminal	**EVD1S150TBBCC**
EVLINK Pro DC 180 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m cable range; with cable management, payment terminal	**EVD1S180TBBCC**
EVLINK Pro DC 120 kW DC CCS Combo 2 + CCS Combo 2; 7.5 m cable range; without cable management	**EVD1S120TBBC7** **EVD1S120TBBC7-AN**
EVLINK Pro DC 150 kW DC CCS Combo 2 + CCS Combo 2; 7.5 m cable range; without cable management	**EVD1S150TBBC7** **EVD1S150TBBC7-AN**
EVLINK Pro DC 180 kW DC CCS Combo 2 + CCS Combo 2; 7.5 m cable range; without cable management	**EVD1S180TBBC7** **EVD1S180TBBC7-AN**
Accessories	
Pack of 10 RFID Badges	**EVP1BNS**

EVlink™ Pro DC 120-150-180 v2

Characteristics	References
Charging Stations	
EVLINK Pro DC 120 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m range; with cable management	**EVD2S120TBB-IEC** **EVD2S120TBB-AN**
EVLINK Pro DC 150 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m range; with cable management	**EVD2S150TBB-IEC** **EVD2S150TBB-AN**
EVLINK Pro DC 180 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m range; with cable management	**EVD2S180TBB-IEC** **EVD2S180TBB-AN**
EVLINK Pro DC 120 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m cable range; with cable management, payment terminal	**EVD2S120TBBCC-AN**
EVLINK Pro DC 150 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m cable range; with cable management, payment terminal	**EVD2S150TBBCC-AN**
EVLINK Pro DC 180 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m cable range; with cable management, payment terminal	**EVD2S180TBBCC-AN**
EVLINK Pro DC 120 kW DC CCS Combo 2 + CCS Combo 2; 7.5 m cable range; without cable management	**EVD2S120TBBC7-IEC** **EVD2S120TBBC7-AN**
EVLINK Pro DC 150 kW DC CCS Combo 2 + CCS Combo 2; 7.5 m cable range; without cable management	**EVD2S150TBBC7-IEC** **EVD2S150TBBC7-AN**
EVLINK Pro DC 180 kW DC CCS Combo 2 + CCS Combo 2; 7.5 m cable range; without cable management	**EVD2S180TBBC7-IEC** **EVD2S180TBBC7-AN**
Accessories	
Pack of 10 RFID Badges	**EVP1BNS**

(1) References to be defined and local availability to be checked by Schneider Electric front offices.

EVlink™ Pro DC 320

Characteristics	References
Charging Stations	
EVLINK Pro DC 320 Range, 240 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m range; with cable management	**EVD2S240TBB-IEC** **EVD2S240TBB-AN**
EVLINK Pro DC 320 Range, 320 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m range; with cable management	**EVD2S320TBB-IEC** **EVD2S320TBB-AN**
EVLINK Pro DC 320 Range, 240 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m cable range; with cable management, payment terminal	**EVD2S240TBBCC-AN**
EVLINK Pro DC 320 Range, 320 kW DC CCS Combo 2 + CCS Combo 2; 3.6 m cable range; with cable management, payment terminal	**EVD2S320TBBCC-AN**
EVLINK Pro DC 320 Range, 240 kW DC CCS Combo 2 + CCS Combo 2; 7.5 m cable range; without cable management	**EVD2S240TBBC7-IEC** **EVD2S240TBBC7-AN**
EVLINK Pro DC 320 Range, 320 kW DC CCS Combo 2 + CCS Combo 2; 7.5 m cable range; without cable management	**EVD2S320TBBC7-IEC** **EVD2S320TBBC7-AN**
Accessories	
Pack of 10 RFID Badges	**EVP1BNS**

Services	References(1)
EVlink Pro DC 180 / 180 v2 / 320 - Warranty Extension	
1 year Warranty Extension Pro DC 180 kW	**ECOESSPDC100WE**
1 year Warranty Extension for Power Module	**ECOESSPDCPMWE**

EVlink™ Pro DC 720

Characteristics	References
Power Cabinet	
Schneider Star Charge Fast DC 720 range, 360 kW, power cabinet	**EVD1S360-IEC** **EVD1S360-AN**
Schneider Star Charge Fast DC 720 range, 480 kW, power cabinet, 30 kW power module	**EVD1S483-IEC** **EVD1S483-AN**
Schneider Star Charge Fast DC 720 range, 480 kW, power cabinet	**EVD1S480-IEC** **EVD1S480-AN**
Schneider Star Charge Fast DC 720 range, 720 kW, power cabinet	**EVD1S720-IEC** **EVD1S720-AN**
Dispenser	
Schneider Star Charge Fast DC 720 range, Dispenser, 400 A, CCS2 + CCS2, 5 m cable range with cable management	**EVD1D720TBB-IEC** **EVD1D720TBB-AN**
Schneider Star Charge Fast DC 720 range, Dispenser, 400 A, CCS2 + CCS2, 7.5 m cable range without cable management	**EVD1D720TBBC7-IEC** **EVD1D720TBBC7-AN**
Schneider Star Charge Fast DC 720 range, Dispenser, 400 A, CCS2 + CCS2, 5 m cable range with cable management, payment terminal	**EVD1D720TBBCC-AN**
Accessories	
Pack of 10 RFID Badges	**EVP1BNS**

(1) References to be defined and local availability to be checked by Schneider Electric front offices.

List of commercial references

Battery Energy Storage System

Characteristics	References
Devices	
Schneider Boost Pro, Storage capacity 215kWh, Battery inverter 100kW	**BAT215KPCS100K3EU1**
EcoStruxure Energy Asset Controler Edge Controller for stationnary storage system, PV and EV supply equipment	**EPCEACEU1**
Accessories	
Kit of accessories enabling EcoStruxure Energy Asset Controller to be installed and operate	**EPCEACACCEU1**

EcoStruxure™ EV Charging Expert

Characteristics	References(1)
License	
EV Charging Expert Core up to 250 chargers per license	**HMIBX1A0NEVB100SCP**
Upgrade references for legacy EcoStruxure EV Charging expert licenses*	
EV Charging Expert Upgrade from 5 CS to 15 CS	**EVLMSEDB2EDS**
EV Charging Expert Upgrade from 5 CS to 50 CS	**EVLMSEDB2EDM**
EV Charging Expert Upgrade from 5 CS to 100 CS	**EVLMSEDB2EDL**
EV Charging Expert Upgrade from 15 CS to 50 CS	**EVLMSEDS2EDM**
EV Charging Expert Upgrade from 15 CS to 100 CS	**EVLMSEDS2EDL**
EV Charging Expert Upgrade from 50 CS to 100 CS	**EVLMSEDM2EDL**

*Available for the following EcoStruxure EV Charging Expert legacy references: HMIBSCEA53D1EDB, HMIBSCEA53D1EDBSCP, HMIBSCEA53D1EDS, HMIBSCEA53D1EDM, HMIBSCEA53D1ED

Bibliography

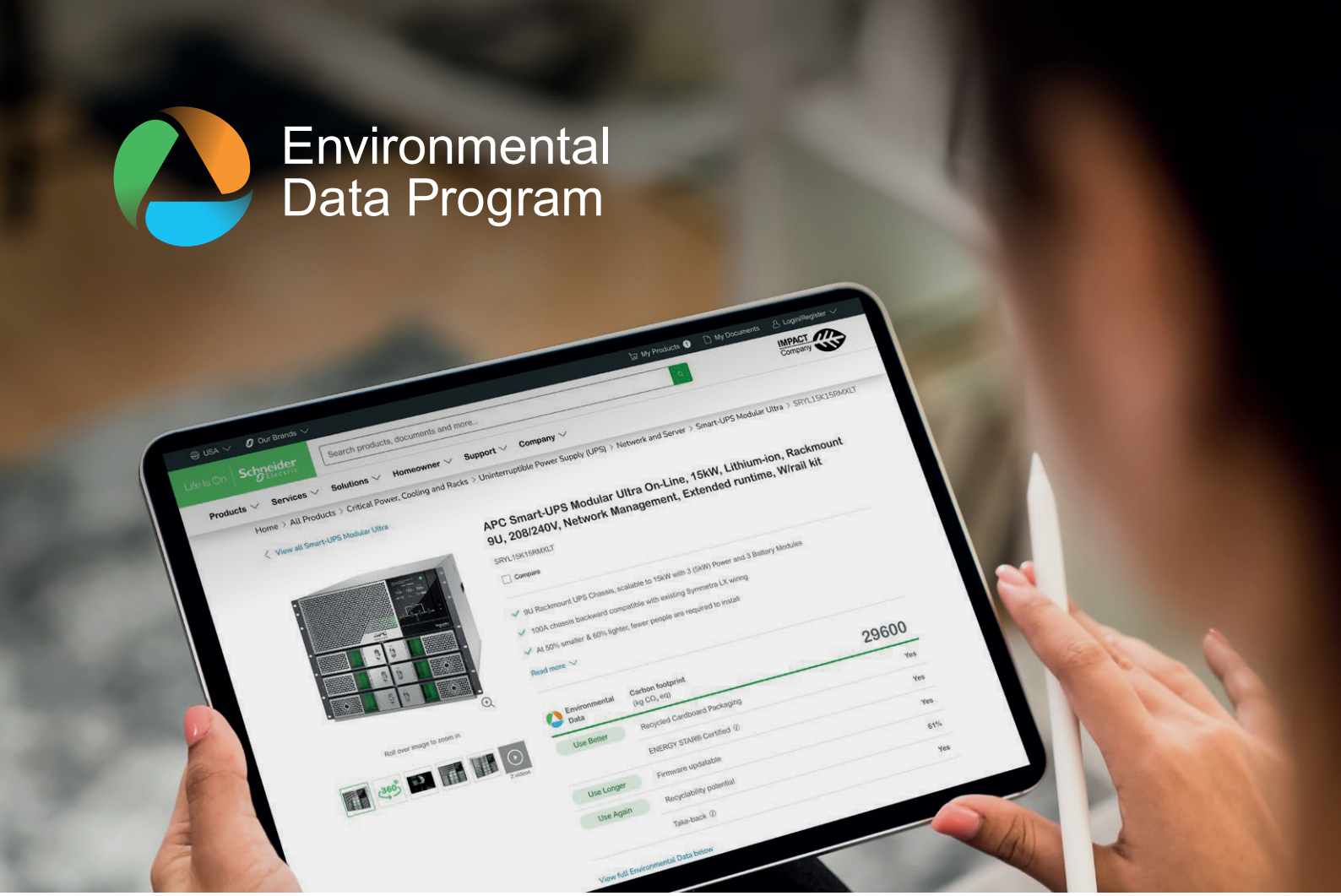
Technical documentation

Characteristics		References[1]
Schneider Charge		
Schneider Charge Data sheet	EN	**998-22833864**
Schneider Charge Installation guide	EN / FR / DE / ES / IT	**PKR9096301**
Schneider Charge Commissioning guide	EN / FR / DE / ES / IT	**PKR9545101**
Schneider Charge Pro		
Installation Guide	EN / FR	**BRU2882901**
Pedestal installation Guide	EN / FR	**BRU4438903**
Commissioning Guide	EN / FR / DE / ES / IT / DA / FI / NO / SV	**BRU9949500**
OCPP Protocol Guidelines	EN	**BRU5587800**
Cybersecurity Guide	EN / FR	**BRU5883000**
Peak Controllers		
Anti-tripping module 1P - Installation guide	EN / FR / ES / IT	**BQT5080501**
Anti-tripping module 3P - Installation guide	EN / FR / DE / ES / IT	**BQT5080401**
EVlink Pro AC range		
Installation Guide[1]	EN / FR / DE / ES / IT / DA / FI / NO / SV	**NNZ1940301-00**
Instruction Guide EVlink Pro AC Metal WM1CP[1]	EN / FR	**JYT24399**
Instruction Guide EVlink Pro AC Metal FS1CP[1]	EN / FR	**JYT24398**
Instruction Guide EVlink Pro AC Metal FS2CP[1]	EN / FR	**JYT24397**
EVlink Pro AC troubleshooting guide	EN	**JYT6692101**
Technical specifications OCPP connectivity guide	EN	**GEX1969200**
EVlink Pro AC spare parts replacement	EN	**GEX2273501**
EVlink Pro AC spare parts replacement for standards	EN	**GEX4591201**
Technical specifications MODBUS connectivity guide	EN	**GEX1969300**
EVlink Pro AC Preventive Maintenance guide	EN	**GEX8681300**
EVlink Pro AC Cybersecurity guide	EN	**GEX5261101**
Electrical diagram guide for EVlink Pro AC Metal	EN	**GEX2008002**
EVlink Pro DC ranges of charging stations		
EVlink Pro DC 60 Installation Guide[1]	EN	**GEX6836301**
EVlink Pro DC 60 Owner Guide	EN	**GEX6836201**
EVlink Pro DC 120-180 Installation Guide[1]	EN	**GEX4300800**
EVlink Pro DC 120-180 Owner Guide	EN	**GEX4301000**
EVlink Pro DC 60 v2 Installation Guide	EN	**NAT2998102**
EVlink Pro DC 60 v2 User Guide	EN	**NAT3481400**
EVlink Pro DC 180 v2 and EVlink Pro DC 320 Installation Guide	EN	**NAT2513802**
EVlink Pro DC 180 v2 and EVlink Pro DC 320 User Guide	EN	**NAT2513900_IEC**
EVlink Pro DC 720 Dispenser installation guide	EN	**JPS7899602**
EVlink Pro DC 720 Power cabinet installation guide	EN	**JPS6871302**
Technical specifications OCPP connectivity guide	EN	**DOCA0311**
Cyber-security Guide	EN	**DOCA0310**
EcoStruxure™ EV Charging Expert		
User Guide	EN	**DOCA0429EN**
eMobility Infrastructure Commissioning Guide System	EN	**EVSOLCG001EN**
Battery Energy Storage System		
Schneider Boost Pro Installation and User Guide	EN	**TME91311021EN**
Battery Energy Storage Integrated System Guide	EN	**TME91311023EN**
EcoStruxure Energy Asset Controller User Guide	EN	**TME92883021EN**
EcoStruxure Energy Asset Controller Commissioning Guide	EN	**TME92883022EN**

[1] Delivered with the product

Notes

Environmental Data Program

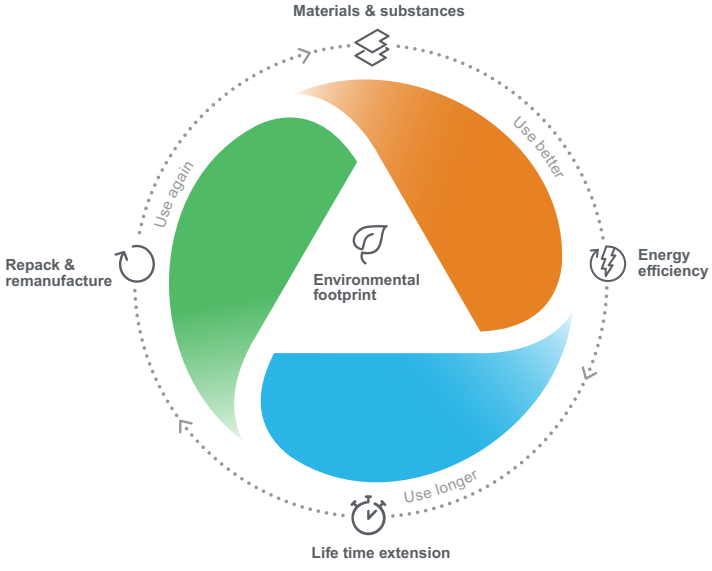


Next-level transparency for better-informed product choices

The Environmental Data Program is a framework for how we measure, categorize, and compare the environmental attributes and footprint of our products.

Using a rigorous, fact-based methodology, the program provides environmental data from across the product lifecycle.

Five data categories across the product lifecycle



Use Better: How sustainable a product is, including environmental footprint, materials and substances, packaging, and energy efficiency.
Use Longer: How a product's life time can be effectively extended in terms of repairability and updatability.
Use Again: How a product can be reused, from dismantling and remanufacturing to recyclability and manufacturer take back.

With this transparent, verified data, customers and partners are empowered to make conscious environmental choices and accurately evaluate and report on sustainability performance.

All our hardware offers have an associated environmental data available on se.com product pages.

Learn more about the Environmental Data Program

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