EVlink Parking

In short

Extensive choice

Charging station offer
- Compliant with power supply network: 220-240 V / 380-415 V
- 7.4 kW or 22 kW (32 A for 230 / 400 V) and settable from 6 A to 32 A
- High robustness of Socket outlet (Type 2 or Type 2 with shutters) thanks to silver plated contact avoiding overheat
- Multiple configurations: user identification, one or two sockets outlets, floor-standing or wall-mounted

Charging station QR Code
- To get the product datasheet or to join Customer Care Center with "mySchneider" app, flash the QR Code with your usual QR Code reader.
- To access cloud-based EcoStruxure™ Facility Expert app maintenance organizer: charging station registration, maintenance reports, (see page 41)

Options
- Ethernet communication with supervision system via 3G/4G modem

Accessories offer
- Cables, RFID badges, cable holder, modem, etc.

Spare parts offer
- Floor base, wall base, socket outlet, caps, flap, etc.

Services offer
- Worldwide network of certified installers providing on-site installation, on-site commissioning, maintenance plan and on-demand repair and asset management contracts
- Worldwide customer care center

Optimized architecture
- Standalone or clustered architecture
- Connected or not to a supervision (through OCPP 1.5 or OCPP 1.6 communication protocole)
- Electrical protection devices in external cabinet or in the parking station floor base.

Product QR code 'FLASH ME'

Cloud-connectable

GPRS

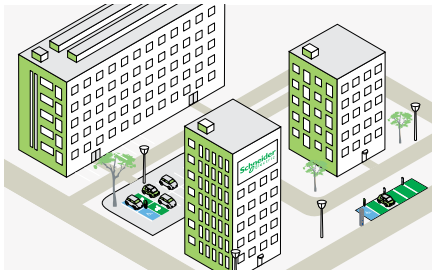
Ethernet

Easy commissioning with a laptop connected to the embedded webserver

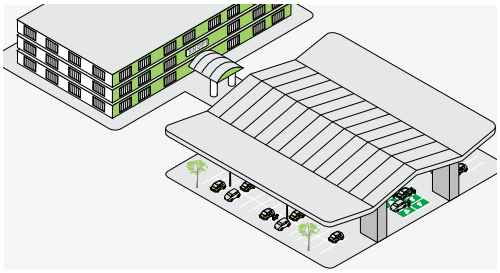
For example, you can:
- configure RFID badges. All RFID badges are accepted by default (factory setting)
- amend the maximum current values per socket
- authorize the permanently attached cable (cable which remains attached permanently to the station)
- activate the functions: load shedding and conditional outgoing line per socket
- balance the charging powers (for 2-socket stations)
- produce maintenance reports
- set up access to supervision
- …

At home - condominium

At work



Corporate and semi-public car parks



In short

Provide optimum flexibility

The maximum power can be set:
- Through the embedded Web server. This setting can be changed at any time with a few clicks.
- Remotely, via
  - a back-end Charge Point Operator, through OCPP
  - a Building Management System, an load management system, or any other local system through Modbus

The setting can be either a permanent or dynamic value.

Schneider Electric supports OCPP and is an active member of OCA (Open Charge Alliance).

Enhanced features

Benefit from advanced features and configure your charging station thanks to the EVlink embedded Web server.

- Adapt the charging station power demand to your electrical distribution:
  - configure load management per socket outlet or for the charging station
  - set automated load balancing between socket outlets for dual charging stations*
  - set other related energy management features: load shedding, circuit breaker status, and postponed charge
- Select the relevant power-metering solution:
  - with current transformers already included in the cabinet
  - with additional power meters for higher metering precision, MID-compliant or not
- Adapt the charging station to your application:
  - activate or deactivate RFID badge reader
  - select to allow the cable to remain permanently plugged in the charging station
  - configure IP address and network parameters
  - visualize Charge Detail Record (3000 history)

Diagnosis and maintenance

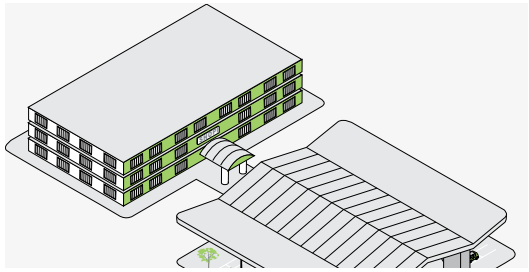
- Perform diagnosis thanks to charging station front face LEDs or through the embedded Web server
- Restore factory default settings without a computer
- Upgrade the charging station with the latest firmware and benefit from additional features

Supervision capability

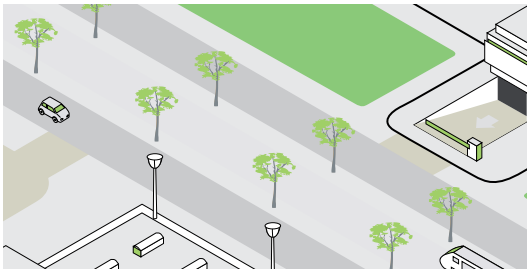
- Operate and maintain your charging infrastructure:
  - connect to supervision through OCPP 1.5 or OCPP 1.6 protocol
  - connect to local management system, such as Building Management System, through modbus TCP/IP.

(*) This feature allows vehicles to recharge as quickly as possible, with the station also limiting the power delivered to its maximum set value.

In private parking area



On street



EVlink Parking

Characteristics

The appearance may be customized on request.

Please do not hesitate to contact your Schneider Electric representative to assist you in this project.

Green Premium™ Product

> ROHS compliant
> Reach compliant
> EoLi: End Of Life Process
> Product Environmental Profile compliant

Z.E. READY

Power supply network

- Earthing system: TT, TN-S, TN-C-S
  - IT (may require the addition of an isolating transformer for charging of certain vehicles)
- Frequency: 50 Hz or 60 Hz
- Socket outlet supply circuit (1 circuit per socket outlet):
  - 220/240 V 1P+N *or*
  - 380/415 V 3P+N
- Control circuit voltage (for charging station):
  - 220/240 V 1P+N

Charging modes

- Mode 2 with:
  - 10 A / Type E (FR standard) domestic socket
  - 10 A / Type F (DE standard) domestic socket
- Mode 3 with T2 socket outlet (with or without shutter)
- Communication between charging station and vehicle via charging cable as per IEC 61851

Charging access

User authentication through a RFID badge. Remote authentication by supervision or local setting of authorized badges

- 13.56 MHz RFID reader for badges with chips Mifare Ultralight, Mifare Classic 1K / 4K, I Code SLI, Tag-it HFI, EM4135 ... (under ISO/IEC 14443 A&B, ISO/IEC 15693 protocols)

  Notes: RFID badges available on the market and standard are modified very often, so we advice to carry out prior test on our charging station to check compatibility
- 10 RFID badges provided with every RFID-type charging station

Mechanical and environmental

- Painted steel body, anti-corrosion treatment
- Protection: IP54 (IEC 60529), IK10 (IEC 62262)
- Operating temperature: -25°C to +40°C for Mode 2 / Mode 3 charging station
- Operating temperature: -25°C to +50°C for Mode 3 only charging station

IT Network connection

- TCP/IP
- FTP, SMTP or HTTP data retrieval
- Operations:
  - remote user authentication
  - retreive data for Charging Data Record
  - charging station status monitoring
  - get remote commands

Certification

- CE and CB scheme (IEC 61851-1 and IEC 61851-22 standards)
- EV and ZE ready

Warranty

- 24 months for the entire EVlink range.

Charging station references

Floor standing

Without RFID reader | With RFID reader

Mode 3

Charging station type	No. of chargepoints	Socket outlet type Silver-plated contacts	Power per socket outlet / Phases	
			7.4 kW (1P - 32 A)	22 kW (3P - 32 A)
Plug and charge - without RFID reader				
	1 (1)	T2	EVF2S7P02	EVF2S22P02
		T2 with shutters	EVF2S7P04	EVF2S22P04
	2	T2	EVF2S7P22	EVF2S22P22
		T2 with shutters	EVF2S7P44	EVF2S22P44
With RFID reader (2)				
	1 (1)	T2	EVF2S7P02R	EVF2S22P02R
		T2 with shutters	EVF2S7P04R	EVF2S22P04R
	2	T2	EVF2S7P22R	EVF2S22P22R
		T2 with shutters	EVF2S7P44R	EVF2S22P44R

(1) On the right side of the charging station.
(2) Includes 10 RFID badges.

Mode 3/Mode 2

Charging station type	No. of chargepoints	Socket outlet type Silver-plated contacts	Power per socket outlet / Phases	
			7.4 kW (1P - 32 A) 2.3 kW (1P - 10 A)	22 kW (3P - 32 A) 2.3 kW (1P - 10 A)
Plug and charge - without RFID reader				
	1	T2 - TF	EVF2S7P2F	EVF2S22P2F
		T2 with shutters - TE	EVF2S7P4E	EVF2S22P4E
With RFID reader (1)				
	1	T2 - TF	EVF2S7P2FR	EVF2S22P2FR
		T2 with shutters - TE	EVF2S7P4ER	EVF2S22P4ER

(1) Includes 10 RFID badges.

Wall mounted

Without RFID reader | With RFID reader

Mode 3

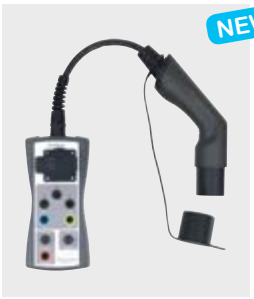
Charging station type	No. of chargepoints	Socket outlet type Silver-plated contacts	Power per socket outlet / Phases	
			7.4 kW (1P - 32 A)	22 kW (3P - 32 A)
Plug and charge - without RFID reader				
	1 (1)	T2	EVW2S7P02	EVW2S22P02
		T2 with shutters	EVW2S7P04	EVW2S22P04
	2	T2	EVW2S7P22	EVW2S22P22
		T2 with shutters	EVW2S7P44	EVW2S22P44
With RFID reader (2)				
	1 (1)	T2	EVW2S7P02R	EVW2S22P02R
		T2 with shutters	EVW2S7 P04R	EVW2S22P04R
	2	T2	EVW2S7P22R	EVW2S22P22R
		T2 with shutters	EVW2S7P44R	EVW2S22P44R

(1) On the right side of the charging station.
(2) Includes 10 RFID badges.

EVlink Parking

Accessory references

AC charging station testing tool



Enables an operating check in the field of the charging station and charging cable.
Reference: EVA1SADS

Modem

Modems to be mounted inside- external cabinet- Floor standing base, with EVP1FKC (Din rail mounting kit)

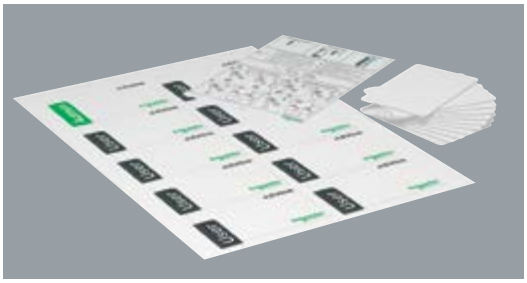
3G/4G Modem
Reference: EVP3MM

Available 3rd quarter of 2020

Antenna for Parking 3G/4G modem

Antenna must be ordered separately:
Ethernet cable 1 m included.
Antenna to be mounted on the Floor base EVP2FBS (hole diam 22 mm)
Reference: EVP2MP

Pack of 10 RFID badges

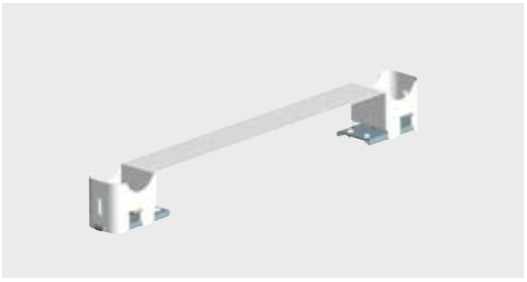


For charging stations equipped with an RFID reader.
The badges are supplied blank, ready to be programmed to identify an administrator or user.
Sheet of adhesive labels for badges: 1 administrator + 9 users.
Reference: EVP1BNS

Protective cover

For wall-mounted charging stations.
Blocks user access to cable sockets used for wiring.
Degree of protection: IK10
Reference: EVP1WPSC

Cable holder



For floor-standing and wall-mounted EVlink Parking charging stations, (also compatible with EVF1•••••, EVW1••••• and EVlink Parking charging stations.)
Allows the cable to be wound up for easy storage and locked on the holder.
Reference: EVP1PH

DIN rail mounting kit

For using the floor standing charging station as an electrical enclosure.
Compatible only with floor standing charging station (ref. EVF2) and floor standing base (ref. EVP2FBS).
Reference: EVP1FKC

Please refer to page 41

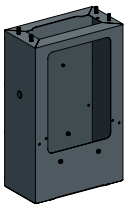
EVlink Cable

Several vehicle connector/plug combinations are available for charging stations.

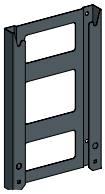
Please refer to page 46

Spare part references

Base

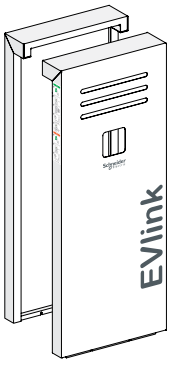


Floor-standing base.
Reference: EVP2FBS
See page 41

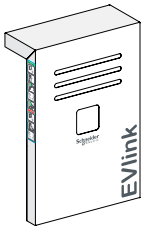


Wall-mounted base.
Reference: EVP1WBS

Cap



Floor standing.
Reference: EVP2FCG



Wall mounted.
Reference: EVP2WCG

Socket outlet

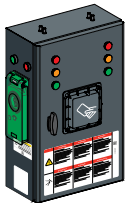
Green socket outlet T2.
Reference: EVP1PSS2

Green socket outlet T2 with shutters.
Reference: EVP1PSS4

Green socket outlet TE.
Reference: EVP1PSSE

Green socket outlet TF.
Reference: EVP1PSSF

Enclosure



Characteristics	References
7.4 kW 1XT2	EVP2PE702
7.4 kW 1XT2 RFID	EVP2PE702R
7.4 kW 1XT2S	EVP2PE704
7.4 kW 1XT2S RFID	EVP2PE704R
7.4 kW 2XT2	EVP2PE722
7.4 kW 2XT2 RFID	EVP2PE722R
7.4 kW 2XT2S	EVP2PE744
7.4 kW 2XT2S RFID	EVP2PE744R
7.4 kW T2S-TE	EVP2PE74E
7.4 kW T2S-TE RFID	EVP2PE74ER
7.4 kW T2-TF	EVP2PE72F
7.4 kW T2-TF RFID	EVP2PE72FR
22 kW 1XT2	EVP2PE2202
22 kW 1XT2 RFID	EVP2PE2202R
22 kW 1XT2S	EVP2PE2204
22 kW 1XT2S RFID	EVP2PE2204R
22 kW 2XT2	EVP2PE2222
22 kW 2XT2 RFID	EVP2PE2222R
22 kW 2XT2S	EVP2PE2244
22 kW 2XT2S RFID	EVP2PE2244R
22 kW T2-TF	EVP2PE222F
22 kW T2-TF RFID	EVP2PE222FR
22 kW T2S-TE	EVP2PE224E
22 kW T2S-TE RFID	EVP2PE224ER