EVlink Parking

In short

Extensive choice

Charging station offer
- Compliant with power supply network: 220-240 V / 380-415 V
- 7.4 kW or 22.1 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

Options
- Ethernet communication with supervision system via GPRS 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
- QR code App registration for easy installation tracking. For more details on CStracker app, see page 37.

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

Easy installation
- Only one person required to carry and to handle
- Technical documentation for: installation, commissioning and diagnostic in product packaging and web site (see "Additional information", page 36)

Product QR code
'FLASH ME'

Cloud-connectable

GPRS

Ethernet

At home - condominium

At work

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
  - configure user privileges through RFID badge: VIP, administrators, regular users
  - select to allow the cable to remain permanently plugged in the charging station
  - configure IP address and network parameters
 - visualize Charge Detail Record (30 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 the charging stations to EVlink Insights, Schneider Electric supervision - see page 67
  - connect to third-party supervision through OCPP 1.5 protocol
  - connect to local management system, such as Building Management System, through modbus TCP/IP

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

In private parking area
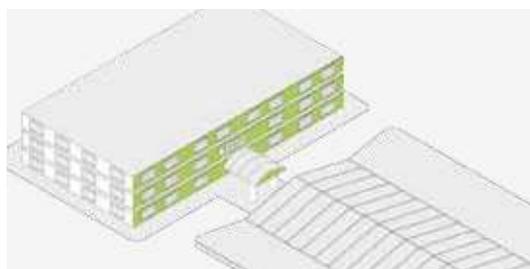
On street

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 or IT
    - 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

RFID reader
Used to unlock socket outlet flap when valid RFID badge is detected.
- 13.56 MHz RFID reader, for badges complying with standards
    - ISO/IEC 14443 A & B, ISO/IEC 15693
    - Mifare® Ultralight, Mifare® Classic, Calypso®
      Other standards, please contact us
- 10 badges provided with each 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
- EAC

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		Power per socket outlet	
				7.4 kW	22.1 kW
Plug and charge - without RFID reader					
	1[1]	T2[2]		EVF2S7P02	EVF2S22P02
		T2 with shutters[2]		EVF2S7P04	EVF2S22P04
	2	T2[2]		EVF2S7P22	EVF2S22P22
		T2 with shutters[2]		**EVF2S7P44***	**EVF2S22P44***
With RFID reader [3]					
	1[1]	T2[2]		EVF2S7P02R	**EVF2S22P02R***
		T2 with shutters[2]		EVF2S7P04R	**EVF2S22P04R***
	2	T2[2]		EVF2S7P22R	**EVF2S22P22R***
		T2 with shutters[2]		**EVF2S7P44R***	**EVF2S22P44R***

[1] On the right side of the charging station.
[2] Socket outlet with silver-plated contacts.
[3] Includes 10 RFID badges.
* Shorter delivery time.

Mode 3/Mode 2

Charging station type	No. of chargepoints	Socket outlet type		Power	
				7.4 kW - 2.3 kW	22.1 kW - 2.3 kW
Plug and charge - without RFID reader					
	1	T2[1] - TF		EVF2S7P2F	EVF2S22P2F
		T2 with shutters[2] - TE		EVF2S7P4E	EVF2S22P4E
With RFID reader [2]					
	1	T2[1] - TF		EVF2S7P2FR	**EVF2S22P2FR***
		T2 with shutters[2] - TE		EVF2S7P4ER	**EVF2S22P4ER***

[1] Socket outlet with silver-plated contacts.
[2] Includes 10 RFID badges.
* Shorter delivery time.

> Wall mounted

Without RFID reader

With RFID reader

Mode 3

Charging station type	No. of chargepoints	Socket outlet type		Power per socket outlet	
				7.4 kW	22.1 kW
Plug and charge - without RFID reader					
	1[1]	T2[2]		**EVW2S7P02***	EVW2S22P02
		T2 with shutters[2]		EVW2S7P04	**EVW2S22P04***
	2	T2[2]		EVW2S7P22	**EVW2S22P22***
		T2 with shutters[2]		**EVW2S7P44***	**EVW2S22P44***
With RFID reader [3]					
	1[1]	T2[2]		EVW2S7P02R	EVW2S22P02R
		T2 with shutters[2]		**EVW2S7P04R***	EVW2S22P04R
	2	T2[2]		EVW2S7P22R	**EVW2S22P22R***
		T2 with shutters[2]		EVW2S7P44R	**EVW2S22P44R***

[1] On the right side of the charging station.
[2] Socket outlet with silver-plated contacts.
[3] Includes 10 RFID badges.
* Shorter delivery time.

EVlink Parking

Accessory references

Electric vehicle simulation tool

Enables an operating check in the field of the charging station and charging cable.
Reference: NCA93100

Specific components for monitoring and control panel

Software on SD card for Modicon M340 PLC.
EVlink Energy & Cluster Management Software
Reference: NCA82000*

EVlink Cluster Management Software
Reference: NCA84000*

* Offer limited to selected countries with project management mode.

Wireless-Internet communication interface supplied with its accessories.
EVlink Insights GPRS modem
Reference: EVP1MM

Pack of 10 RFID badges
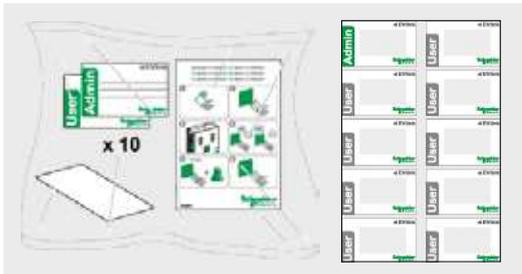
For charging stations equipped with an RFID reader.
The badges are supplied blank, ready to be programmed to identify an administrator or user.
Sheet of adhesive labels for badges: 1 administrator + 9 users.
Reference: EVP1BNS

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.
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.
Reference: EVP1FKC

EVlink Cable

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

Please refer to page 79

Spare part references

Base

Floor-standing base.
Reference: EVP2FBS
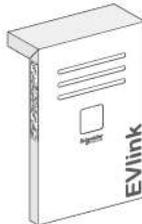See page 36

Wall-mounted base.
Reference: EVP1WBS

Cap

Floor standing.
Reference: EVP2FCG

Wall mounted.
Reference: EVP2WCG

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
22.1 kW 1XT2	EVP2PE2202
22.1 kW 1XT2 RFID	EVP2PE2202R*
22.1 kW 1XT2S	EVP2PE2204*
22.1 kW 1XT2S RFID	EVP2PE2204R*
22.1 kW 2XT2	EVP2PE2222*
22.1 kW 2XT2 RFID	EVP2PE2222R*
22.1 kW 2XT2S	EVP2PE2244*
22.1 kW 2XT2S RFID	EVP2PE2244R*
22.1 kW T2-TF	EVP2PE222F
22.1 kW T2-TF RFID	EVP2PE222FR*
22.1 kW T2S-TE	EVP2PE224E
22.1 kW T2S-TE RFID	EVP2PE224ER*

* Shorter delivery time

Cover

Grey cover without RFID.
Reference: EVP1PPG

Grey cover with RFID.
Reference: EVP1PPGR

Socket outlet

Green socket outlet T2.
Reference: EVP1PSS2

Green socket outlet
T2 with shutte..
Reference: EVP1PSS4

Green socket outlet TE.
Reference: EVP1PSSE

Green socket outlet TF.
Reference: EVP1PSSF

Flap

Green scooter flap.
Reference: EVP1PFSS

EVlink Parking

Practical information

› Content - Only one person required

Only one person is required to handle and install the floor-standing or wall-mounted charging station.
This is possible thanks to delivery in three packages weighing less than 20 Kg each.

### › Package contents and weight indication

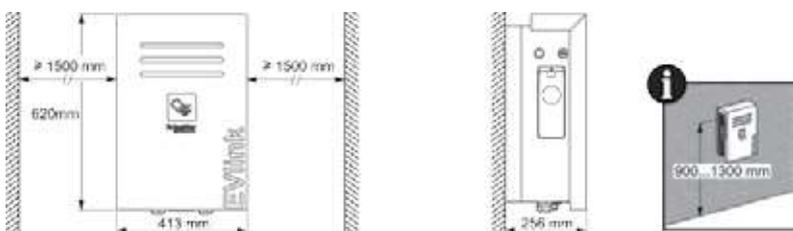Floor-standing charging station

Wall-mounted charging station

1 Cap
2 Enclosure
3 Wall base
4 Floor base

Charging station type		Floor-standing	Wall-mounted
Package	Composition	Weight	Weight
1	Cap	17 Kg	8 Kg
2	Enclosure	20 Kg	20 Kg
3	Wall base	-	5 Kg
4	Floor base	13 Kg	-

› Dimensions (mm)

Floor-standing charging station

≥ 1500 mm   ≥ 1500 mm

413 mm

500 mm

1146 mm
900 mm

220 mm
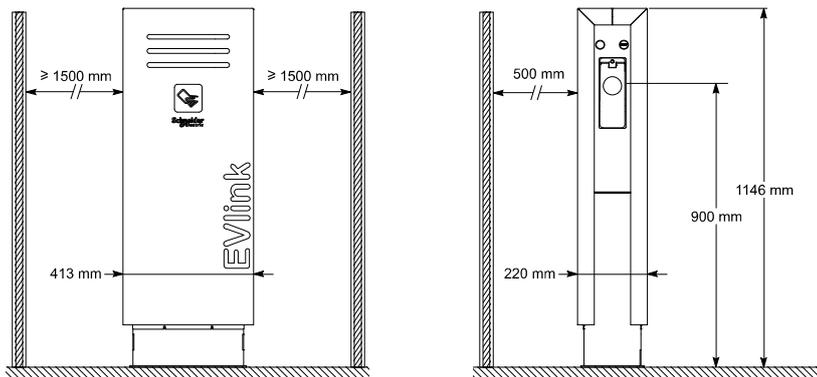
Additional information

Technical document	References
Installation guide	NHA47410
EVlink Parking: Electrical diagram	NHA81498
EVlink Commissioning Guide EVlink Parking	DOCA0060EN

To download the above documents, do a search by reference on www.schneider-electric.com

Wall-mounted charging station

≥ 1500 mm   ≥ 1500 mm

620mm

413 mm

256 mm

900...1300 mm

Practical information

CSTracker, the Smartphone App. for time-efficient installation and maintenance

CSTracker allows electricians, installers, and maintenance teams to:

- Identify and register installed charging stations in the Schneider Electric database
- Register and archive maintenance intervention
- Access to the Web portal of the application for details (notes, photos) of registered interventions
- Access to the technical documentation of the station
- Access to on-line support

Available on the App Store

GET IT ON Google play

What's inside an EVlink Parking charging station

Scan or click on QR code

Recommended protective devices

Description		
Charging	Single-phase	Three-phase
Rated Power - Current	7.4 kW - 32 A	22.1 kW - 32 A
Protection		
Circuit breaker (overcurrent)[1]	40 A Curve C	40 A Curve C
RCD (residual-current)[1]	30 mA type Asi[2]	30 mA type B
Under voltage tripping auxilary	A9N26969	A9N26969

[1] References to be defined by Schneider Electric front offices.
[2] A type B may be required in some countries. Refer to local regulation.

Easy installation with DIN rail mounting kit ref.: EVP1FKC
compatible with floor standing charging station ref.: EVF2 and floor standing base EVP2FBS

Thanks to a modular floor base, installers can prepare wiring of protection devices at their workshops. This accessory allows to power the charging station with only one power cable, even for 2 plug-charging stations.
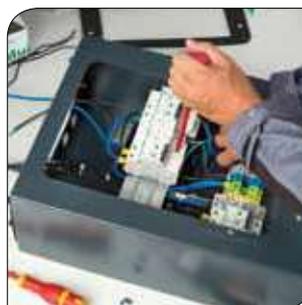
Step 1:

Wire protection device on the adapted rail.

Step 2:

Insert wired protection kit in the floor base.

Step 3:

Finish the wiring.

Step 4:

Install the prewired floor base on site.