Life Is On | Schneider Electric

EVlink

Catalog May 2016

Electric vehicle charging solutions

schneider-electric.com/electric-vehicle

Green Premium™

Endorsing the most eco-friendly products in the industry

Green Premium™
Product

Green Premium is the only label that allows you to effectively develop and promote an environmental policy whilst preserving your business efficiency. This ecolabel guarantees compliance with the most up-to-date environmental regulations, but it does more than this.

Over 75% of Schneider Electric manufactured products have been awarded the Green Premium ecolabel

Discover what we mean by green ….

Check your products!

Schneider Electric's Green Premium ecolabel is committed to offering transparency, by disclosing extensive and reliable information related to the environmental impact of its products:

RoHS

Schneider Electric products are subject to RoHS requirements at a worldwide level, even for the many products that are not required to comply with the terms of the regulation. Compliance certificates are available for products that fulfil the criteria of this European initiative, which aims to eliminate hazardous substances.

REACh

Schneider Electric applies the strict REACh regulation on its products at a worldwide level, and discloses extensive information concerning the presence of SVHC (Substances of Very High Concern) in all of these products.

PEP: Product Environmental Profile

Schneider Electric publishes the most complete set of environmental data, including carbon footprint and energy consumption data for each of the lifecycle phases on all of its products, in compliance with the ISO 14025 PEP ecopassport program. PEP is especially useful for monitoring, controlling, saving energy, and/or reducing carbon emissions.

EoLI: End of Life Instructions

Available at the click of a button, these instructions provide:

- Recyclability rates for Schneider Electric products.
- Guidance to mitigate personnel hazards during the dismantling of products and before recycling operations.
- Parts identification for recycling or for selective treatment, to mitigate environmental hazards/ incompatibility with standard recycling processes.

Contents

EVlink charging solutions:

Worldwide customer support

Worldwide standards compliant

Network of installation and service partners

* "from the well to the wheel — European mix" evaluation – Source: EDF 2010

giving confidence in the future

40,000 stations in 30 countries

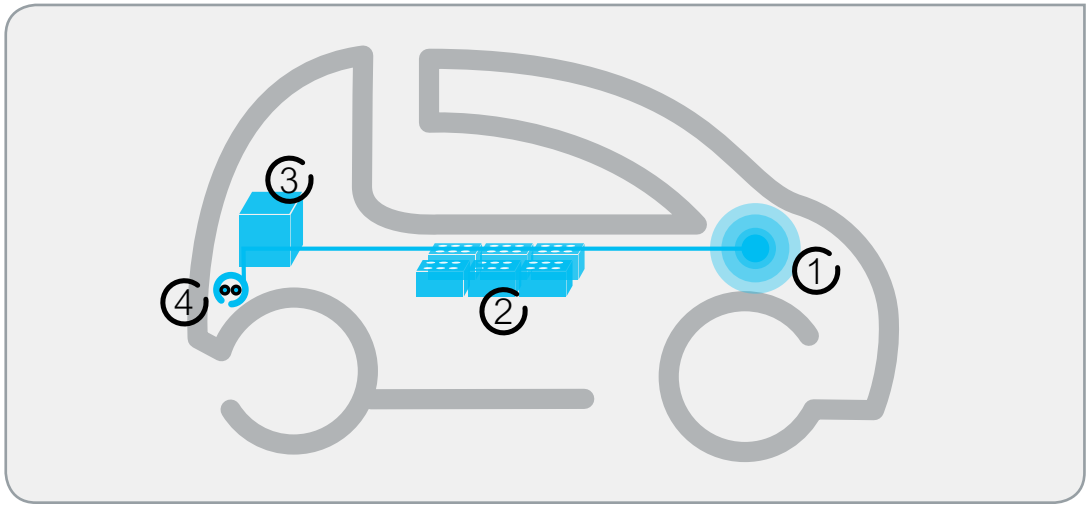
" Worldwide availability of our charging station and service offers is the best proof of our long-term engagement "


EVlink

How it works

The electric vehicle

4 major items:



① The 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 The battery set

The battery set provides the energy necessary for the motor to operate. Charging takes place either during vehicle deceleration (motor in generator mode) or upon connection to a charging station.

The battery capacity is approximately 5 to 90 kWh at a voltage of 300 to 500 V.

Battery and distance range

The vehicle's distance range depends on battery capacity, as well driving style, road configuration, and use of accessories (headlights, heating, etc.).

③ The charger

The charger converts the alternating current from the charging station into direct current and limits the inrush current to the maximum acceptable by the cable + charging station combination.

④ The charging inlet

The vehicle is equipped by the manufacturer with one or two socket inlets, depending on the type of charging required:

- At least one inlet for "normal" or "accelerated" charging on the AC network.
- Possibly a second inlet for charging at a fast charging station.

Focus on technology

The batteries

Battery technology has made very significant progress in recent years. Lead has gradually been replaced by other, more efficient compounds. Research continues with a view to improving capacity and reducing weight and heating during power inrush.

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. They are present in telephones, laptop computers, and some aircraft, as well as in electric vehicles.

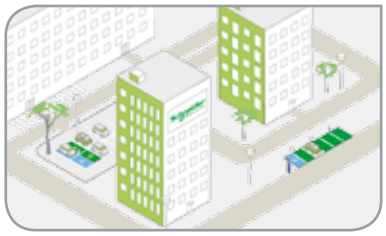
Where to charge

At home

A charging station for private use installed in the garage.

At home — condominium

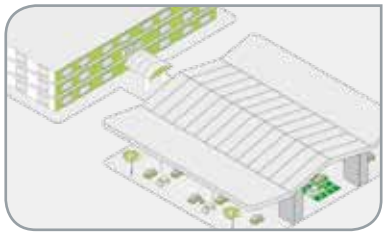
A charging station for indoor or outdoor use, installed in a private parking place.



At work

More and more companies have installed charging stations in their own parking areas. They have a choice of whether users can charge their batteries for free or pay a fee.

Municipal fleets and the fleets of delivery services, and government departments generally have parking areas fully equipped to charge their electric vehicles.



In private parking area

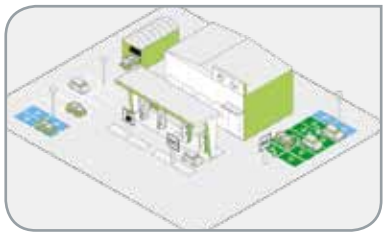
To meet new customer demands, the operators of covered public parking areas frequently offer charging stations. They can generally be accessed with a badge based on various commercial conditions.

Municipalities and car park managers are now developing these services.

On street

Involved in new green mobility deployment, municipalities are giving access to a network of charging stations located on the street or in public parking areas. Charging stations can generally be accessed with a badge or thanks to a Smartphone App., based on various commercial conditions.

Electric car sharing is another service offer that municipalities now promote. Charging station networks allow combined use by car-sharing services and electric vehicle drivers.

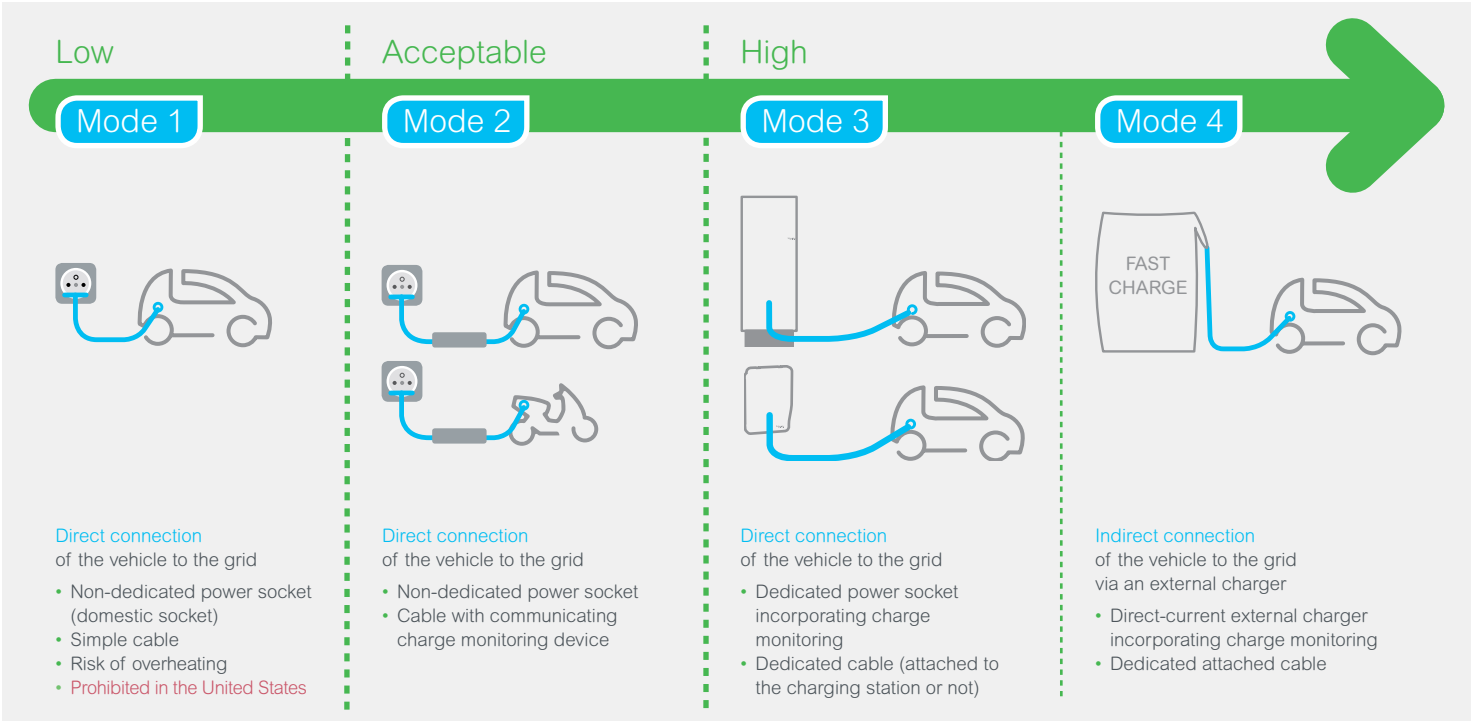


At service station

Service stations equipped for fast charging are appearing at test locations in some countries. Customers use the 30-minute charging time to take a break or shop in the supermarket.

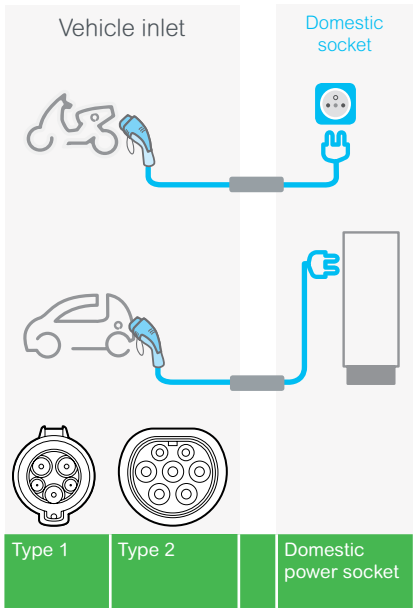
Charging

The charging mode determines the protection level

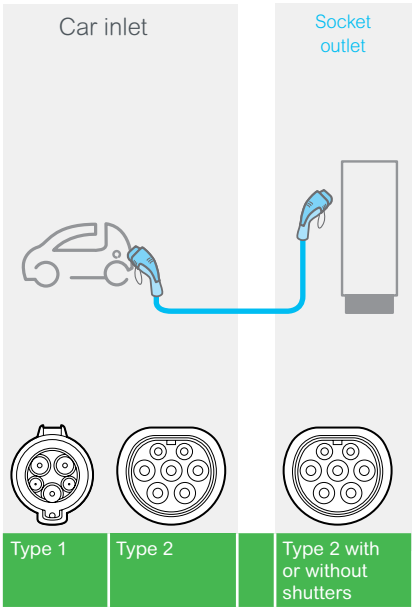


Mode 2 or Mode 3 determines the type of charging connectors

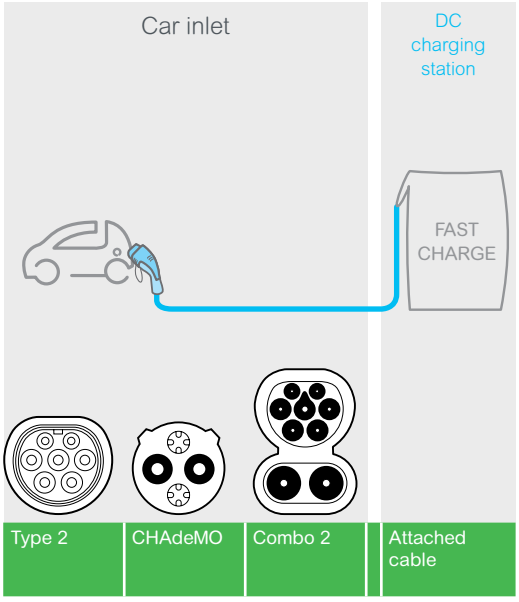
Mode 2



Mode 3



Mode 4



The effective charging capacity is that of the weakest "link", for example:

Vehicle charger	Cable/charging mode	Charging point	Effective charging capacity
7 kW	2.3 kW (Mode 2)	Domestic power socket 2.3 kW (Mode 2)	2.3 kW
7 kW	7.4 kW (Mode 3)	Charging station 22.1 kW	7 kW

The power of the source determines the charging speed*

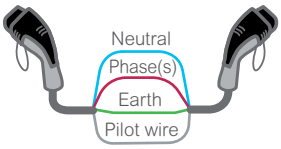
Example: for a vehicle with a 24 kWh battery:

Source used	Domestic power socket	Dedicated AC power socket		Dedicated DC power socket
Power	Single-phase: 2.3 kW	Single-phase: 7.4 kW	Three-phase: 22.1 kW	Three-phase: 43 kW
Time to "fill up"	12 h	5 h	1h 30 min	30 min
% of charge reached in 30 min	4%	10%	34%	100%

* Subject to the use of a suitable cable.

Focus on technology

The charging cable



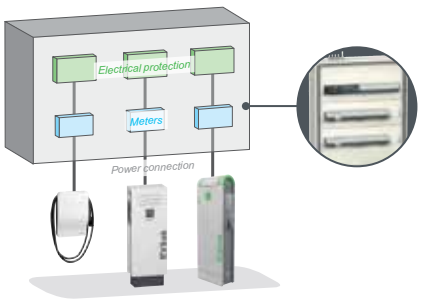
A "pilot" wire allows data communication between the vehicle and the charging station. The charging process starts only if the following information is OK:
- Vehicle connection
- Vehicle earthing
- Indication of the maximum power allowed by the charger

Focus on technology

Electrical distribution architecture

Standalone

One or several charging stations can be connected to the same protection panel and operate independently.
The protection could also be installed in the Parking station floor base (see chapter page 30).
Each charging station operates independently. They are protected upstream and their consumption can be measured.
The charging stations can be connected to EVlink Insights.

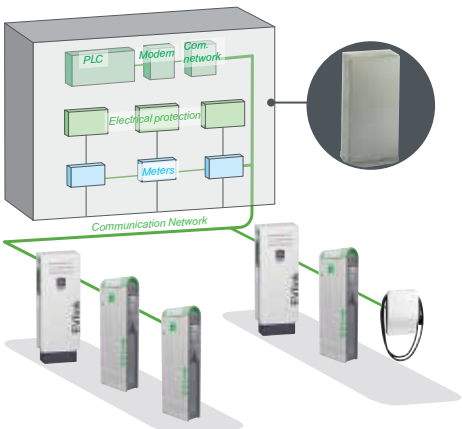


Clustered

In addition to independent charging stations features, benefit from advanced control functions:

EVlink energy management

They are then controlled by a programmable logic controller and network components, GPRS modem, etc. A cluster consists of charging stations, up to 24 socket outlets.
The charging stations can be connected to EVlink Insights.



The EVlink product range

Electric vehicle charging stations

9 selection criteria for charging station

Electrical

Power per socket	**3.7 kW - 7.4 kW**	**11 kW - 22.1 kW**	**22.1 kW - 43 kW (AC) - 50 kW (DC)**
	▲ *Single-phase main supply.*	▲ *Three-phase main supply.*	
Charging mode	**Mode 2**	**Mode 3**	**Mode 4**
	▲ *Use of charging cable equipped with its control interface.*	▲ *Advanced charging control with communication between station and vehicle. Use of direct charging cable.*	▲ *Advanced charging control with communication between station and vehicle for DC charging mode.*
Socket outlet	**Domestic**	**Type 2**	**Attached cable type 1** **Attached cable type 2**
	▲ *Up to 2.3 kW*	▲ *Up to 22.1 kW*	▲ *AC type 1: up to 7.4 kW* *AC type 2 : up to 22.1 kW*

Usage

Socket outlet access	**Free access**	**Key**	**Authentication**
		▲ *Key lock.*	▲ *Access with RFID badge or via Smartphone apps for connected stations. - Function depending whether connected station or not.*
Energy management	**Optimized cost**	**Optimized time**	**Advanced**
	▲ *The charging is delayed until cheapest tariff period, or reduced to comply with your contract.*	▲ *For not connected charging station. Fastest charge is achieved for each socket based on max. power of socket. Other functions available.*	▲ *For a charging stations cluster connected to a facility network. A global energy management is provided (facility + stations) in order to preserve operational facility services building, site, etc. and to optimize vehicle charging.*
Connectivity	**Yes - No**		
	▲ *Enabling communication (wired, WiFi, GPRS modem) to the cloud based 'EVlink Insights' Schneider Electric supervision or to third party supervision.*		

Installation

Mounting	**On Wall**		**On Floor**
	▲ *Cabinet fixed on wall.*		▲ *Cabinet with integrated or separate pole.*
Protection	**IP 54**	**IP 55**	**IK 10**
	▲ *Protection from dust, splashing water. Outdoor use is possible.*	▲ *Protection from dust, low pressure water jets. Outdoor use is possible.*	▲ *Resistance to pendulum shock: mass of 5 kg, 40 cm string.*
Aspect	**Stylish**	**Robust**	**Robust +**
	▲ *White resistant plastic casing.*	▲ *Metallic casing.*	▲ *Antivandalism features. Metallic casing, extra keyboard protection.*

X
Single *characteristic*

X+Y
Dual *characteristic*

	EVlink Wallbox	EVlink Smart Wallbox	EVlink Parking	EVlink City	EVlink Fast charge*
		Cloud-connectable	Cloud-connectable	Cloud-connectable	Cloud-connectable
					
Charging power (kW)	3.7 · 7.4 · 11 · 22.1	7.4 · 22.1	7.4 · 22.1	7.4 · 22.1	22.1 (AC) · 43 (AC) · 50 (DC)
Charging mode	3	2 · 3	2 · 3	2 · 3	3 · 4
2 *Mode 2* 3 *Mode 3* 4 *Mode 4*					
Socket outlet Attached cable	T2 · ACT1 · ACT2	T2 · T2+D · ACT1 · ACT2	T2 · T2+D · T2+T2	2 x T2+D	AC ChadeMo · AC Combo 2 · ACT2 43 kW (AC)
D *Domestic* ACT1 *Att. cable with plug Type 1* ACT2 *Att. cable with plug Type 2* T2 *Plug type 2*					
Charging access	F · K	F · K · A	F · A	A	A
F *Free access* K *Key lock* A *Authentication*					
Energy management	C	A+C+T	A+C+T	A+C+T	
A *Advanced* C *Cost optimized* T *Charging time optimized*					
Connectivity	N	N · Y	N · Y	N · Y	N · Y
Y *Yes (ready to connectivity)* N *No*					
Mounting	W · F	W · F	W · F	F	F
W *Wall* F *Floor*					
Protection IP / IK	54 / 10	54 / 10 · 55 / 10	54 / 10	55 / 10	55 / 10
54 *Dust + splashing water* 55 *Dust + low pressure water jet* 10 *5 kg shock*					
Aspect	S	S	R	R+	R+
S *Stylish* R *Robust* R+ *Robust +*					

* Offer limited to selected countries with project management mode.

Overview of EVlink offer

EVlink Wallbox

page 18

- Outdoor or Indoor installation
- Wall-mounted or floor standing*
- Power Range: 3.7 kW to 22.1 kW with permanent derating option
- Socket outlet (T2/T2S) or attached cable (T2/T1)
- Keylock to limit socket outlet access and/or limit access while charging

* pole as an accessory

How to use an EVlink Wallbox

Scan or click on QR code

NEW EVlink Smart Wallbox

Cloud-connectable

page 24

- Outdoor or Indoor installation
- Wall-mounted or floor standing*
- Power Range: 7.4 kW or 22.1 kW with permanent derating option
- Socket outlet (T2/T2S) + domestic socket option (TE) or attached cable (T2/T1)
- Key lock to limit socket outlet access and/or limit access while charging
- RFID badge/Smartphone authentication
- Energy metering capacity
- Optional communication module (Wifi and/or GPRS) or Ethernet to connect to a Supervision (EVlink Insights) or 3rd Party

* pole as an accessory

How to use an EVlink Smart Wallbox

Scan or click on QR code

EVlink Parking

Cloud-connectable

page 30

- Outdoor or Indoor installation
- Wall-mounted or floor standing
- Power Range: 7.4 kW to 22.1 kW with permanent derating option
- 1 or 2 socket outlet (T2/T2S) + domestic socket option (TE)
- Free access or RFID badge/Smartphone authentication
- Energy metering capacity with automatic load balancing
- Optional communication module (GPRS) or Ethernet to connect to a Supervision (EVlink Insights) or 3rd Party

How to use an EVlink Parking charging station

Scan or click on QR code

EVlink energy management, EVlink supervision

Energy, communication management functions

Programs, data for stations and PLC, in a SD card

- Avoid facility disruptions
- Reduce energy cost
- Increase driver satisfaction
- Make operation more efficient

Enterprise-wise management

EVlink supervision

- Usage analysis
- Remote maintenance
- Drivers management

NEW

EVlink City

Cloud-connectable

page 38

- Outdoor or Indoor installation with vandalism resistant enclosure
- Floor Standing
- Power Range: 7.4 kW to 22.1 kW with permanent derating option
- 2 sides dual sockets: (T3/T2S) + domestic socket (TE)
- Free access or RFID badge/Smartphone authentication
- Energy metering capacity with automatic load balancing
- Optional communication module (GPRS) or Ethernet to connect to a Supervision (EVlink Insights) or 3rd Party

How to use an EVlink City charging station

Scan or click on QR code

EVlink Fast Charge solution*

Cloud-connectable

page 44

- Outdoor or Indoor installation with vandalism resistant enclosure
- Floor Standing
- Two or three charge points Mode 3 and Mode 4 (one charge point in option)
- Max DC output power: 50 kW (on CHAdeMo and Combo 2 Type connector)
- Max AC output power: 4 kW (on Type 2 connector)
- Free access or RFID badge/Smartphone authentication

How to use an EVlink Fast Charge charging station

Scan or click on QR code

* Offer limited to selected countries with project management mode.

EVlink accessories & spare parts

- Floor standing and wall mounted bases
- Socket outlets, charging cables, cable holder
- Caps, covers
- Pack of 10 RFID badges
- Electric vehicle simulation tool
- Key lock
- GPRS modem
- Wi-Fi card

EVlink Services

EVlink Services: Solutions for your projets

As an energy management specialist, Schneider Electric offers the following services:

- Installation audit and commissioning by trained engineers or certified installers
- Warranty extension (on standard 24 months warranty)
- Training of your staff
- Monitoring and connectivity of your infrastructure
- Maintenance contracts and assets management
- Spare parts offer for all EVlink charging stations.

EVlink Wallbox

In short

Product QR code
'FLASH ME'

Extensive choice

Range of 14 charging stations:
- Rated charging power: 3.7, 7.4, 11 or 22.1 kW
- T2 socket outlet (with or without shutter) or attached cable (with T1 or T2 connector)
- Heavy duty socket outlet with silver plated contacts avoiding overheating

Charging station QR code:
- Station identification, maintenance records, other services with CStracker App. (see page 23)

Robustness

- Highly robust to mechanical impact: IK10
- Suitable for outdoor use: IP54

Easy to use

- "Plug and charge"
- One-touch stop/restart
- Attached cable rolled up around the Wallbox
- Technical documentation: installation sheet and quick start guide in many languages (see "Additional information", page 23)

Energy management option

- Delayed start allowing off-peak hours charging only
- Temporary current limitation (from 16 A to 10 A or from 32 A to 16 A) protecting building users from blackouts

Options are activated by external contacts (off-peak contact, load-shedding module contact, etc.) hardwired on a station digital input.

At home

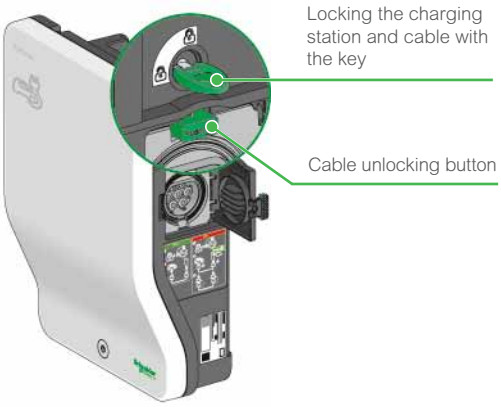
At home — condominium

In private parking area

Application

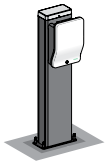
Wallbox are recommended for homes, as well as tougher environments (condominium, corporate car park, hotel, etc.), because of their weatherproof and robust design.

Discovery



Charging station with attached cable

Charging station with socket outlet



1 or 2 Wallbox on optional pedestal mounting pole

Charging station unlocked

Locking the station with the key

- Impossible to insert the plug
- Impossible to extract the cable
- Impossible to stop/start charging

Charging station locked

Easy to install

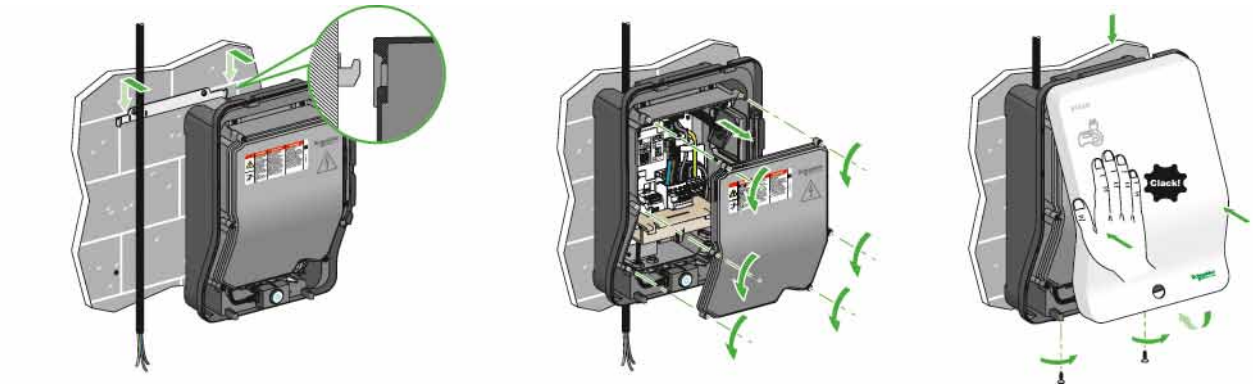
Installation by a single technician in less than 30 minutes; no special tools required

Top, bottom or back side wiring

Immediate commissioning

What's inside an EVlink Wallbox

Scan or click on QR code



EVlink Wallbox

Characteristics

Power supply network

- 220 - 240 V single-phase – 50/60 Hz for 3.7 and 7.4 kW charging stations
- 380 - 415 V three-phase – 50/60 Hz for 11 and 22.1 kW charging stations
- Earthing diagram:
  - TN-S, TN-C-S or IT
  - IT: may require the addition of an isolating transformer for charging of certain vehicles

Mechanical and environmental characteristics

- Ingress protection code: IP54
- Impact protection code: IK10
- Operating temperature: -30°C to +50°C
- Storage temperature: -40°C to +80°C
- Attached cable length: 4 m
- Energy management: deferred charging start or charging current limitation (16 A to 10 A, 32 A to 16 A)

Charging access

- Free access
- By key lock, for socket outlet insertion and locking

Warranty

- 24 months for the entire EVlink range

Standards

- IEC/EN 61851-1 ed 2.0
- IEC/EN 61851-22 ed 1.0
- IEC/EN 62196-1 ed 2.0
- IEC/EN 62196-2 ed 1.0

E.V.READY

Z.E. READY

CE

PEP ecoPASSPORT®

Green Premium™ Product

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

Certification

EVlink Wallbox has obtained the CB test certificate issued by the LCIE test laboratory, establishing compliance with the IEC 61851-1 and IEC 61851-22 standards.

Charging station references

EVlink Wallbox

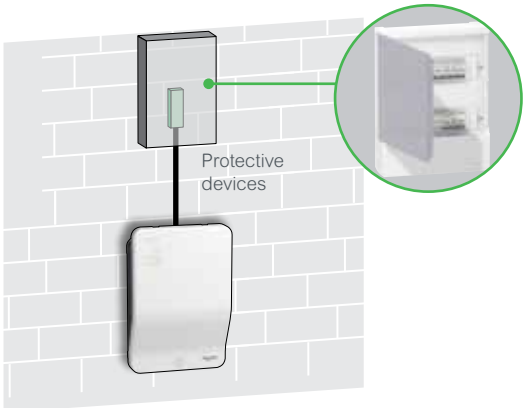
Description	Socket outlet or connector type	Power (kW)	Ref.
With socket outlet on right side [1]			
	T2 [2]	3.7	**EVH2S3P02K**
		7.4	**EVH2S7P02K**
		11	**EVH2S11P02K**
		22.1	**EVH2S22P02K**
	T2 with shutters [2]	3.7	**EVH2S3P04K**
		7.4	**EVH2S7P04K**
		11	**EVH2S11P04K**
		22.1	**EVH2S22P04K**
With attached cable 4 m, on right side			
	T1 [2]	3.7	**EVH2S3P0AK**
		7.4	**EVH2S7P0AK**
	T2 [2]	3.7	**EVH2S3P0CK**
		7.4	**EVH2S7P0CK**
		11	**EVH2S11P0CK**
		22.1	**EVH2S22P0CK**

[1] Cable available as an accessory.
[2] Silver-plated contacts.

Protective devices and optional equipment

Description				
Charging	Single-phase		Three-phase	
Rated Power - Current	3.7 kW - 16 A	7.4 kW - 32 A	11 kW - 16 A	22.1 kW - 32 A
Protection				
Circuit breaker (overcurrent)[1]	20 A Curve C	40 A Curve C	20 A Curve C	40 A Curve C
RCD (residual-current)[1]	30 mA type Asi[2]		30 mA type B	
Under voltage tripping auxiliary		**A9N26969**	**A9N26969**	**A9N26969**
Deferred start				
Contactor	With normally open contact			
Load-shedding				
Load-shedding relay	With normally open contact			

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



The charging station operates autonomously.
It has a dedicated protective device.

- **Installation:** by an electrician
- **Location:** residential, private usage

EVlink Wallbox

Accessory references

To connect the car to the charging station
EVlink Cable

Available with a T1 or T2 connector.

Please refer to page 79

Electric vehicle simulation tool

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

Pedestal mounting pole

Floor standing of 1 or 2 Wallbox
Reference: EVP1PBSSG

Spare part references

Front panel	Reference
	**EVP1HCWN**

Socket outlet	References
	
T2S single-phase	**EVP1HSM41**
T2 single-phase	**EVP1HSM21**
T2S three-phase	**EVP1HSM43**
T2 three-phase	**EVP1HSM23**

Key lock		References
	Key lock Random [1]	**EVP1HLSR**
	Key lock Single [1]	**EVP1HLSS**

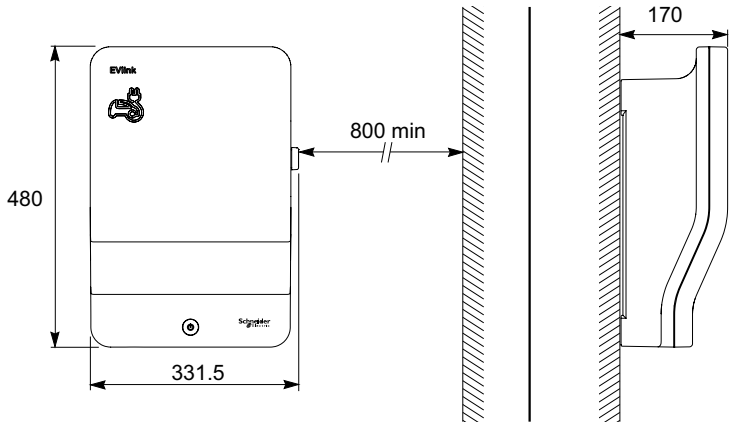
[1] Example:
- If you order 10 Key locks random: you will receive 10 different keys.
- If you order 10 Key locks single: you will receive 10 identical keys.

Flap		Reference
	Flap T2 socket Wallbox	**EVP1HFS0**

Attached cable	References
T1 charging connector	
	
16 A single-phase	**EVP2CNS161A4**
32 A single-phase	**EVP2CNS321A4**
T2 charging connector	
	
16 A single-phase	**EVP2CNS161C4**
32 A single-phase	**EVP2CNS321C4**
	
16 A three-phase	**EVP2CNS163C4**
32 A three-phase	**EVP2CNS323C4**

Practical information

Dimensions (mm)



5.6 kg **7.5 kg** (with attached cable)

Additional information

Technical document	Language	References
With attached cable		
Quick start guide [1]	EN/ES/FR/DE	**NHA31783**
	IT/NL/PL/PT	**NHA31784**
Instruction sheet	EN/ES/FR/DE	**NHA31787**
	IT/NL/PL/PT	**NHA31788**
Without attached cable		
Quick start guide [1]	EN/ES/FR/DE	**NHA31789**
	IT/NL/PL/PT	**NHA31790**
Instruction sheet	EN/ES/FR/DE	**NHA31778**
	IT/NL/PL/PT	**NHA31779**

[1] Delivered with the Wallbox.

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

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

EVlink Smart Wallbox NEW

In short

Product QR code 'FLASH ME'

Cloud-connectable

GPRS Wi Fi Ethernet

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

Extensive choice

Range of 12 charging stations:
- Maximum charging power: 7.4 kW or 22.1 kW with a single-phase or three-phase power supply
- Maximum charging current can be adjusted from 8 A to 32 A
- T2 socket outlet with or without shutter
- T2 socket outlet with shutters + type E domestic socket outlet
- Attached cable with T1 or T2 connector
- Key locking or RFID user authentication

Robustness
- Heavy duty socket outlet with silver plated contacts avoiding overheating
- High protection against mechanical impacts: IK10
- Suitable for outdoor use: IP55, except versions including a type E domestic socket outlet (IP54)

Easy to install and commission
- Wall mounting or floor standing
- 1 or 2 charging stations on the same pole
- Easy wiring
- Integrated measuring of the apparent power
- Interface with an external MID energy meter
- Parameters setting through a web server embedded in the charging station

Energy management
- Delayed charging locally controlled by a wired contact to postpone charging to off-peak hours
- Temporary current limitation to a set value, controlled by a wired contact, to reduce the overall facility consumption and reduce the risk of power outage.
- Delayed charging and current limitation can also be controlled by the supervision (over OCPP) or by the building management system (over Modbus)

Versatile connection to a back-end
- Wired Ethernet: 3 ports
- Wi-Fi with a built-in accessory
- GPRS modem with a built-in accessory
- OCPP 1.5 interface

Charging station QR code:
- Station identification, maintenance records, other services with CStracker App. (see page 29)

Fleet car at home

Condominium

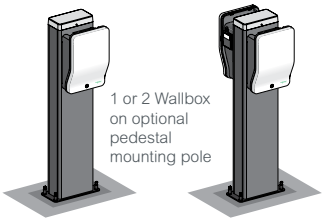
Corporate and semi-public car parks

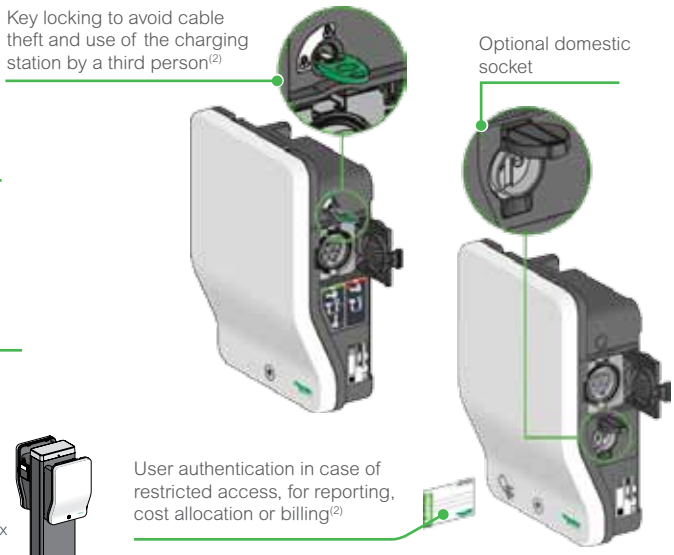
Application

Smart Wallbox is recommended for all private and semi-public areas whenever there are needs of user authentication, charging sessions monitoring or charging assets management.

Discovery

Charging station with attached cable





Charging station with socket outlet

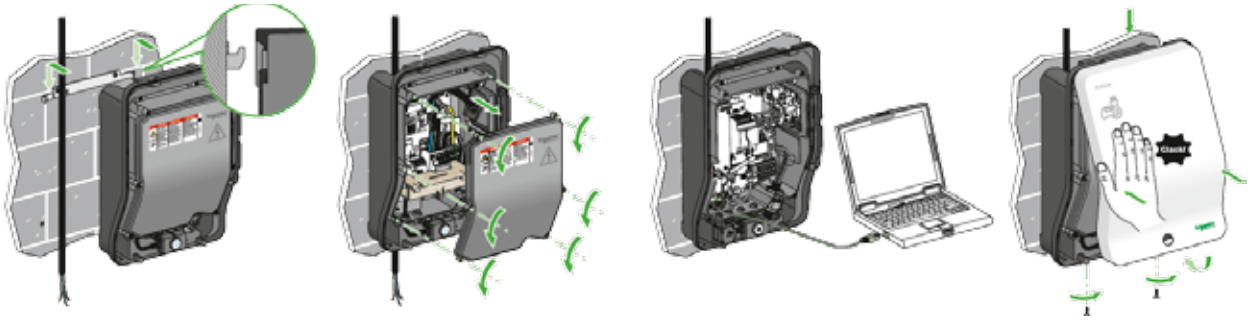
(1) : also available with EVlink Smart Wallbox with attached
(2) : button can be deactivated with commissioning tool

Easy to install and commission

Installation by a single technician in less than 30 minutes; no special tools required

Top, bottom or back side wiring

Easy commissioning with a laptop connected to the embedded webserver



EVlink Smart Wallbox NEW

Characteristics

Cloud-connectable

GPRS Wi Fi Ethernet

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

Certification

EVlink Smart Wallbox has obtained the CB test certificate issued by the LCIE test laboratory, establishing compliance with the IEC 61851-1 and IEC 61851-22 standards.

Power supply

- Smart Wallbox can be supplied either in single-phase or in three-phase
- 220-240 V single-phase - 50/60 Hz
- 380-415 V three-phase - 50/60 Hz

Rated charging current

- T2/T2S socket-outlet: 8 A to 32 A (factory setting 16 A)
- TE socket-outlet: 10 A

Power consumption

- Power consumption of each conditional input (limitation and deferred start): 5 mA 24 V DC

Diagram of the earthing system

- TN-S, TN-C-S or TT
- IT: may require the addition of an isolating transformer for charging of certain vehicles

Mechanical and environmental characteristics

- Ingress protection code: IP55 or IP54 (with a type E domestic socket outlet)
- Impact protection code: IK10
- Operating temperature: -30°C to +50°C
- Storage temperature: -40°C to +80°C
- Attached cable length: 4.5 m

Charging access

- Key locking
- User authentication through a RFID badge. Remote authentication by the supervision or local setting of authorized badges.
- Badges compatible with the station's RFID badge reader:
  - Standard 13.56 MHz, ISO/IEC 14443 A&B, ISO/IEC 15693 protocols
  - Mifare Ultralight, Mifare Classic, Calypso
  - For other badges, please contact us

Warranty

- 24 months for the entire EVlink range

Standards

- IEC/EN 61851-1 ed 2.0
- IEC/EN 61851-22 ed 1.0
- IEC/EN 62196-1 ed 2.0
- IEC/EN 62196-2 ed 1.0

Connectivity

- Wired Ethernet: 3 ports
  - Port 1: LAN
  - Port 2: Wi-Fi or GPRS
  - Port 3: connection to PC for commissioning
- Wi-Fi with a built-in accessory
- GPRS modem with a built-in accessory
- OCPP 1.5 interface

Energy metering

- Integrated measuring of the apparent power
- Interface with an external MID energy meter

Commissioning

- Parameters setting through a web server embedded in the charging station.

Charging station references

EVlink Smart Wallbox

Description	Socket outlet or connector type	Charging access	Power (kW)	References
With socket outlet on right side [1]				
	T2	Key	7.4 / 22.1	EVB1A22P2KI
		RFID [2]	7.4 / 22.1	EVB1A22P2RI
	T2 with shutter	Key	7.4 / 22.1	**EVB1A22P4KI***
		RFID [2]	7.4 / 22.1	**EVB1A22P4RI***
	T2 with shutter and TE (domestic)	Key	7.4 / 22.1	**EVB1A22P4EKI***
		RFID [2]	7.4 / 22.1	**EVB1A22P4ERI***
With attached cable 4.5 m, on right side				
	T1	Key	7.4	EVB1A7PAKI
		RFID [2]	7.4	EVB1A7PARI
	T2	Key	7.4	EVB1A7PCKI
		RFID [2]	7.4	EVB1A7PCRI
	T2	Key	22.1	EVB1A22PCKI
		RFID [2]	22.1	EVB1A22PCRI

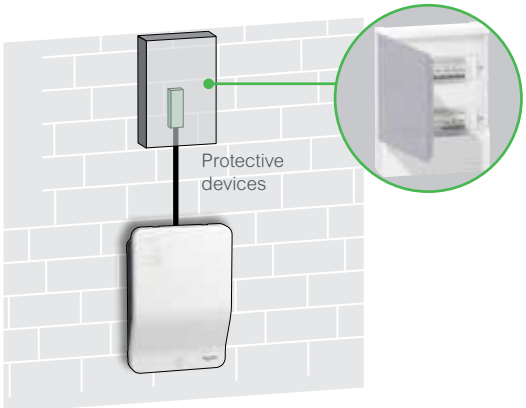
[1] Socket outlet with silver-plated contacts.
[2] Includes 10 RFID badges.
*** Shorter delivery time.**

Protective devices and optional equipment

New installation: supply line and protection devices must be defined for the highest power setting.

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**
Deferred start		
Relay	With normally open contact[3]	
Load-shedding		
Relay	With normally open contact[3]	

[1] References to be defined by Schneider Electric front offices.
[2] A type B may be required in some countries. Refer to local regulation.
[3] Smart Wallbox setting can be changed to "normally closed" is necessary, with commissioning tool.



The charging station must be supplied by a dedicated branch circuit from the electrical switchboard.

EVlink Smart Wallbox NEW

Accessory references

EVlink Cable

Available with T1 or T2 connector.
Please refer to page 79

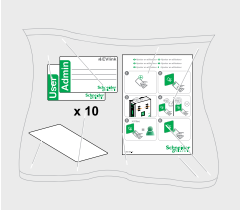
Electric vehicle simulation tool

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

Pedestal mounting pole

Floor standing of 1 or 2 Smart Wallbox
Reference: EVP1PBSSG

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

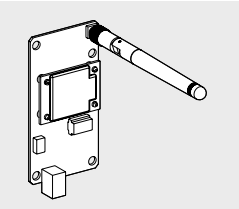
Software for PLC*

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.

WiFi module



Reference: EVP1MWSI

GPRS modem

Reference: EVP1MM

Spare part references

Front panel	Reference
	**EVP1HCWN**

Socket outlet	References
	
T2S	**EVP1BSE43**
T2	**EVP1BSE23**
TE	**EVP1BSSE**

Key lock		References
	Key lock Random (1)	**EVP1HLSR**
	Key lock Single (1)	**EVP1HLSS**

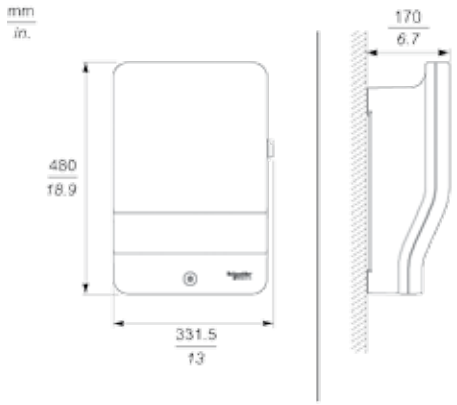
(1) Example:
- If you order 10 Key locks random: you will receive 10 different keys.
- If you order 10 Key locks single: you will receive 10 identical keys.

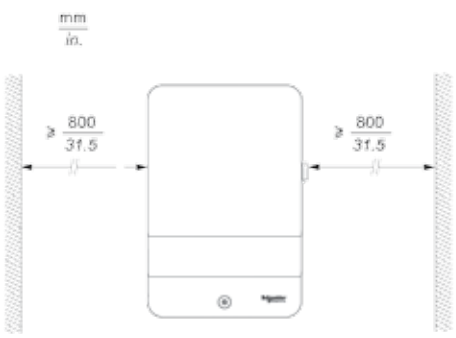
Flap		Reference
	Flap T2 socket Wallbox	**EVP1HFS0**

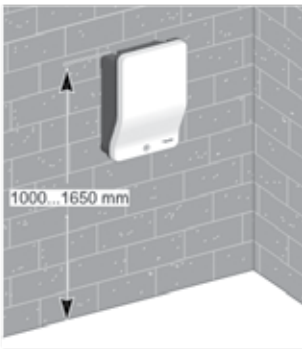
Attached cable		References
T1 charging connector		
	32 A single-phase	**EVP1CBS321A45**
T2 charging connector		
	32 A single-phase	**EVP1CBS321C45**
	32 A three-phase	**EVP1CBS323C45**

Practical information

Dimensions (mm)







With socket outlets	With attached cable
6.2 kg (13.66 lb) - T2/T2S	7.7 kg (15.43 lb) - 7.4 kW
6.6 kg (14.55 lb) - T2/T2S + TE	8.3 kg (17.63 lb) - 22.1 kW

Additional information

Charging station technical document	Language	References
Installation Guide [1] (model with socket outlet)	EN / FR / ES / IT	**NHA95005**
	DE / NL / NO / SV	**NHA95006**
Installation Guide[1] (model with attached cable)	EN / FR / ES / IT	**NHA95018**
	DE / NL / NO / SV	**NHA95021**
User guide [1]	EN / FR/ / ES / IT	**NHA95096**
	DE / NL / NO / SV	**NHA95097**
Commissioning Guide [2] (standalone charging station)	FR	**DOCA0060FR**
	EN	**DOCA0060EN**

[1] Delivered with the product
[2] To be downloaded

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

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

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- Identify and register installed charging stations in the Schneider Electric database
- Register and archive maintenance intervention
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- Access to the technical documentation of the station
- Access to on-line support

Available on the App Store
GET IT ON Google play

EVlink Parking

In short

Product QR code 'FLASH ME'

Cloud-connectable

GPRS

Ethernet

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)

At home - condominium

At work

In short

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
  - 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)

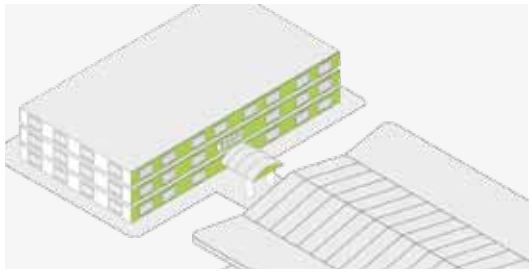
Diagnosis and maintenance

- 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

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

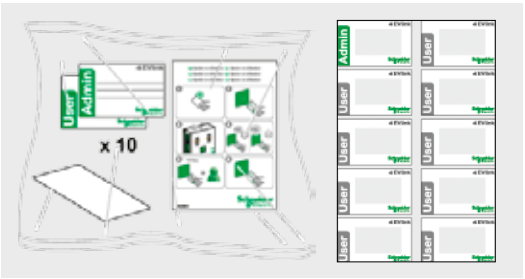
Software on SD card for Modicon M340 PLC.
EVlink Energy & Cluster Management Software
Reference: NCA82000*

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

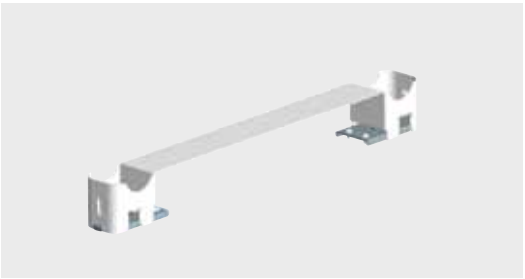


For charging stations equipped with an RFID reader.
The badges are supplied blank, ready to be programmed to identify an administrator or user.
Sheet of adhesive labels for badges: 1 administrator + 9 users.
Reference: EVP1BNS

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

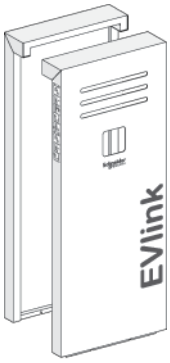
Wall-mounted base.
Reference: EVP1WBS

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**

Cap



Floor standing.
Reference: EVP2FCG

Wall mounted.
Reference: EVP2WCG

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

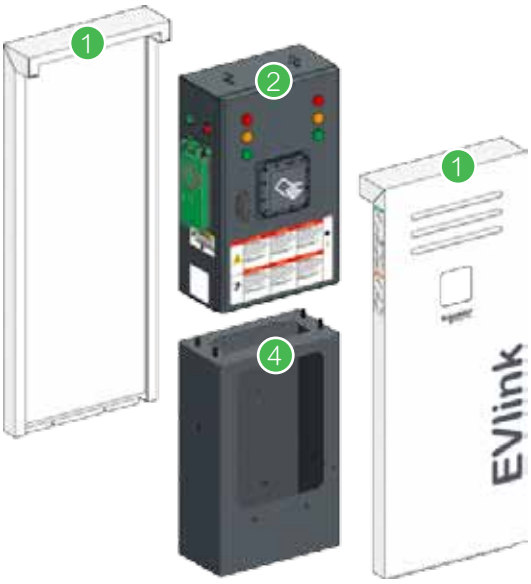
Practical information

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



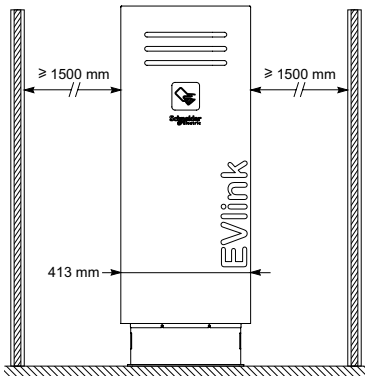
Wall-mounted charging station

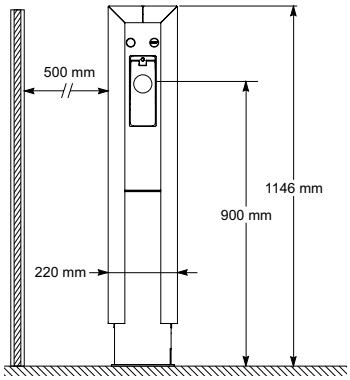
1 Cap
2 Enclosure
3 Wall base
4 Floor base

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



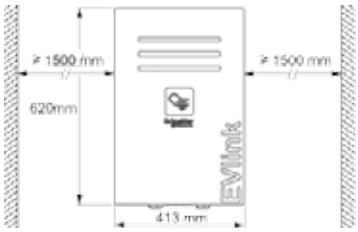


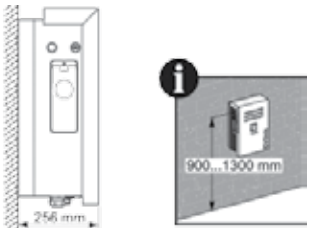
Additional information

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





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.

EVlink City NEW

In short

Product QR code 'FLASH ME'

Cloud-connectable

GPRS

Ethernet

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

On street

Main features

Charging power

- Compatible with 220-240 and 380-400 V AC power supply networks
- 7.4 or 22.1 kW per socket outlet, according to single or three-phase power supply, with adjustable current from 8 to 32 A

Socket outlets

- On both sides
- Available configurations on each side:
  - 1 x Type 3 + 1 x Type E (domestic) *or*
  - 1 x Type 2 + 1 x Type E (domestic)
- Robust socket outlets with shutter silver plated contact avoiding overheat

Imbeded protective devices

- Circuit breaker (overcurrent)
- RCD (residual current)
- Under voltage tripping auxilary

Vehicle detection

- Up to 2 vehicles by inductive loops (loop cables not provided)

Access

- Charging access control by RFID badge and Smartphone if connection to EVlink insights supervision

Communication

- Ethernet communication with supervision system via GPRS modem

Options

- Customization with logos or painted patterns, etc.
- Surge arrester (pre-cabling ready)

Accessories

- RFID badges, cables, etc.

Services

- QR code on every charging station for installation tracking (see CStracker App. page 43)
- 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 charging station or clustered, sharing common electrical distribution and communication bus
- No local server needed when access to cloud-based EVlink Insights supervision platform from Schneider Electric

Easy installation

- All technical documents for installation and commissioning in the parcel, can also be downloaded from the web

In short

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
  - 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 69
  - connect to third-party supervision through OCPP 1.5 protocol
  - connect to local management system, such as Building Management System, through modbus TCP/IP

EVlink City NEW

Characteristics

The appearance may be customized on request.

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

CE

Green Premium™ Product

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

Power supply network

- Earthing system: TT, TN or IT
- 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
- Charging station control circuit:
  - 220/240 V 1P+N

Imbedded 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.

Charging modes

- Mode 2 with:
  - 10 A / Type E (FR standard) domestic socket
- Mode 3 with T2 or T3 socket outlet
- Communication between charging station and vehicle via charging cable as per IEC 61851

RFID reader

Used to unlock socket outlet door 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
- 2 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: -30°C to +50°C

IT Network connection

- TCP/IP
- FTP, SMTP or HTTP data retrieval
- Operations:
  - remote user authentication
  - send 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

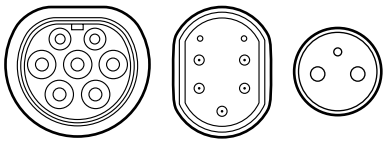
- 24 months for the entire EVlink range

Charging station references

Floor standing

Charging station type*	Socket outlet type		Power per socket outlet	
	Left side	Right side	7.4 kW	22.1 kW
	T2 + TE	T2 + TE	EVC1S7P4E4ERF	EVC1S22P4E4ERF
	T2 + TE	T3 + TE	EVC1S7P4E3ERF	EVC1S22P4E3ERF
GPRS	T2 + TE	T2 + TE	EVC1S7P4E4ERFM	EVC1S22P4E4ERFM
GPRS	T2 + TE	T3 + TE	EVC1S7P4E3ERFM	EVC1S22P4E3ERFM
	T2 + TE	T2 + TE	EVC1S7P4E4ERFD	EVC1S22P4E4ERFD
	T2 + TE	T3 + TE	EVC1S7P4E3ERFD	EVC1S22P4E3ERFD
GPRS	T2 + TE	T2 + TE	EVC1S7P4E4ERFT	EVC1S22P4E4ERFT
GPRS	T2 + TE	T3 + TE	EVC1S7P4E3ERFT	EVC1S22P4E3ERFT

* All charging stations are delivered with 2 RFID badges



T2 T3 TE

EVlink City NEW

Accessory references

Electric vehicle simulation tool

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

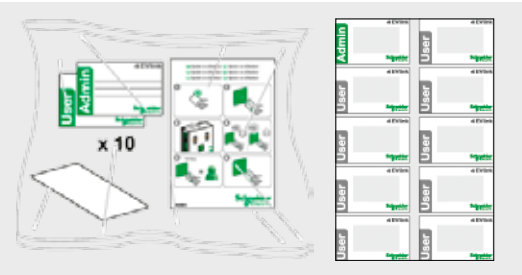
Software for PLC

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.

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

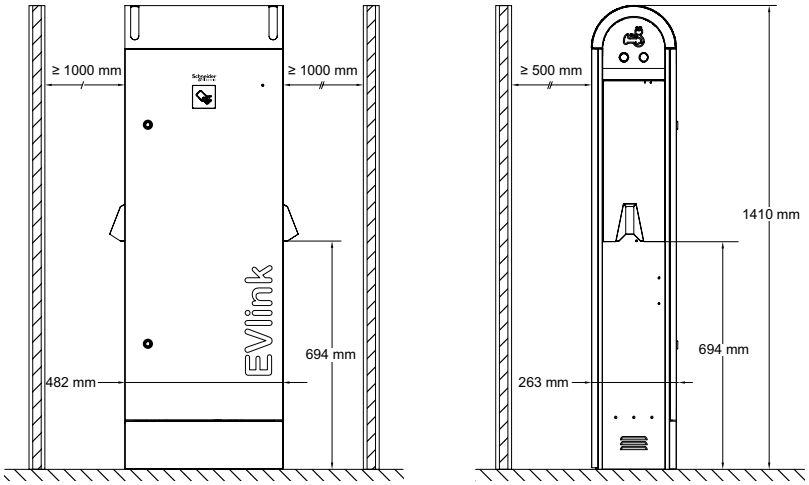
EVlink Cable

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

Please refer to page 79

Practical information

Dimensions (mm)



What's inside an EVlink City charging station

Scan or click on QR code

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

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- 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

Additional information

Technical document	References
Installation guide	**NHA63897**
EVlink Commissioning Guide EVlink Parking	**DOCA0060EN**

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

EVlink Fast Charge solution*

In short

The choice

A high-end level product and several services:

- Installation management on your site
- Fast charge commissioning according to your application requirements
- Three levels (Ultra, Prime, and Plus) maintenance contract
- On-call and remote assistance in major countries worldwide
- Charging station upgrade with the latest firmware

Installation and commissioning

- Performed by Schneider Electric or certified partner
- A feasibility study should be carried out to assess the facility's ability
  It will stipulate the necessary power, identify electrical duct routing, etc.
- The optimum level of protection and monitoring for the charging station

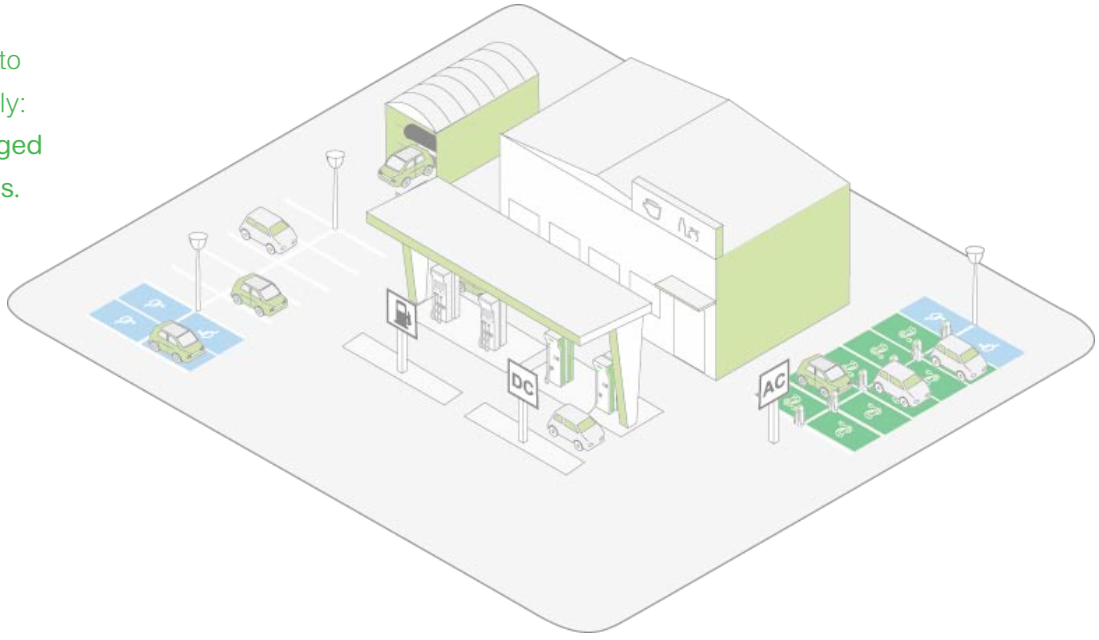
Maintenance

- On-line charging station support and diagnosis
- On-line software upgrades
- Schneider Electric promotes maintenance contracts on customer request for uptime optimization

Application

EVlink Fast Charge stations are designed to charge a vehicle rapidly: **80% of capacity charged in less than 30 minutes.**

They are intended for service stations in particular.



* Offer limited to selected countries with project management mode.

Characteristics

Mechanical and environmental features

- Degree of protection: IP54 (except cordsets)
- Degree of mechanical protection: IK10
- Operating temperature: -30°C / +50°C

Power supply network and charging mode

- Power supply: 400 V~ (+10 / -15%), 3 Ph, 50 – 60 Hz

Direct current charging station

- Charging in Mode 4 (IEC 61851-23)
- CHAdeMO type connector
- Combo 2 type connector
- Charging voltage/current: 500 V DC/125 A - 485 V DC with CHAdeMO connector
- Electrical protective devices integrated in the charging station
- Cable length: 4 m

Alternating current charging station

- Charging in Mode 3 (IEC 61851-22)
- Charging voltage/current: 400 V AC/63 A AC
- Electrical protective devices integrated in the charging station
- Cable length: 4.4 m

User dialogue and data

- Backlit LCD graphic screen (2 lines)
- 4 sensitive touch buttons
- 3 twin-colored LED status indicators
- CPU badge (with RFID)
- Contactless reader

Available options

- Painting and skinning (stickers)
- Barcode reader
- On request:
  - Supervision connection (third party supervision integration)
  - Payment

Standards

- IEC/EN 61851-1 ed 2.0
- IEC/EN 61851-22 ed 1.0
- IEC/EN 62196-1 ed 2.0
- IEC/EN 62196-2 ed 1.0

Commercial configuration*

Product type	500 V DC	500 V DC + 400 V~
Combo2 50 kW DC/CHAdemo 50 kW DC/AC 43 kW	Please contact us	
Combo2 50 kW DC/CHAdemo 50 kW DC/AC 22.1 kW		
Combo2 50 kW DC/CHAdemo 50 kW DC		
Combo2 50 kW DC/AC 43 kW		
Combo2 50 kW DC/AC 22.1 kW		
CHAdemo 50 kW DC/AC 43 kW		
CHAdemo 50 kW DC/AC 22.1 kW		

* Offer limited to selected countries with project management mode.

Electric vehicle simulation tool

In short

Electric vehicle simulation tool

Reference: NCA93100

Green Premium™ Product

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

Tool for trained electricians

To check **correct operation** of a charging station
- EVlink Wallbox
- EVlink Smart Wallbox
- EVlink Parking
- EVlink City
- Any charging station complying with IEC 61851-1, by simulation of a vehicle during charging

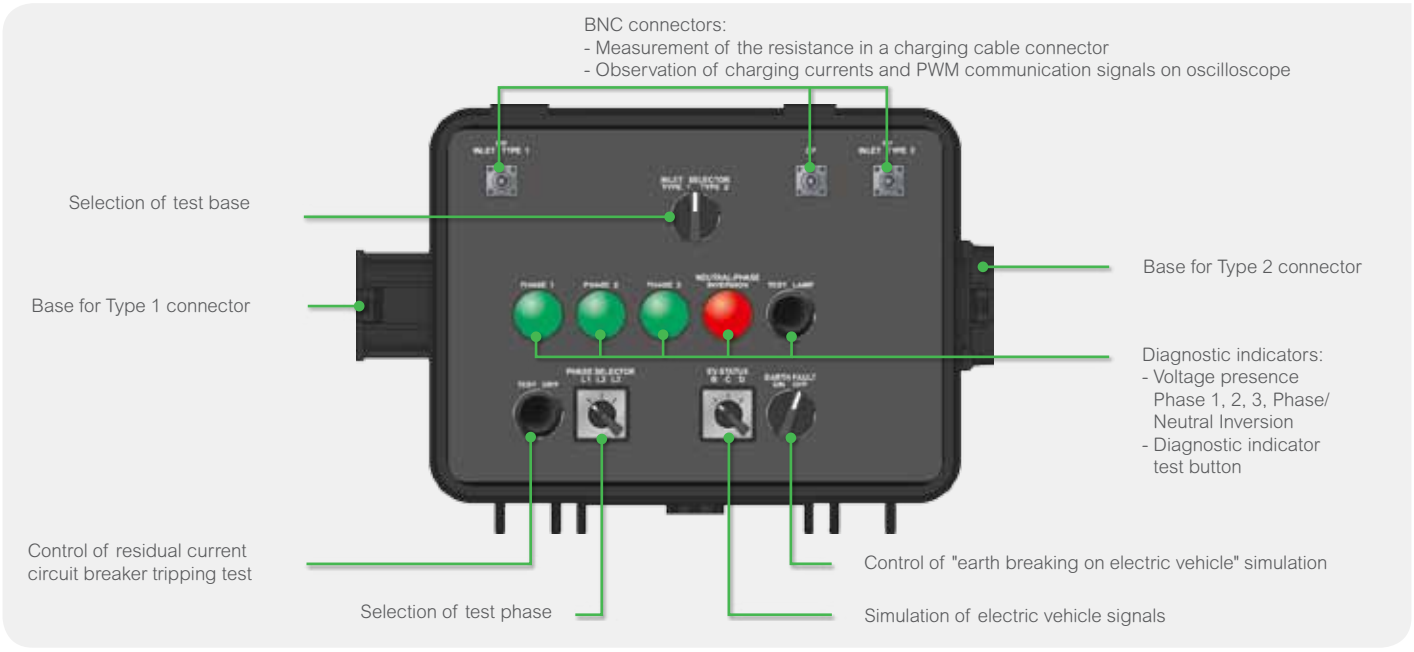
All-terrain use

Robustness
- IK strength: IK8
- Resists falls of up to 1 m
- IP54: closed
- IP44: open

Easy to carry
- Weight: 6 Kg

Compatibility

Accepts any cable fitted with a **T1 or T2 connector.**
Single-phase or three-phase alternating current charging.



how to use an electric vehicle simulation tool

Scan or click on QR code

Perfectly simple ...

Once the simulation tool is connected to the charging station, charging is started thanks to a button: the result is shown by an indicator lamp. **A few minutes** is all that's needed to check correct charging station operation.

… and standalone

Power supply via the charging cable.
No internal battery, **so unlimited time for servicing operations and for your peace of mind.**

Characteristics

Characteristics of the power supply network

- The simulation tool is powered via the charging current
- Network frequency: 50 Hz or 60 Hz
- Earthing system: TT or TN (do not use in IT)
- Voltages:
  - 230 V~ on type 1 connector
  - 400 V~ on type 2 connector
- Charging current during test < 1 A

Mechanical and environmental characteristics

- Degree of protection (as per IEC 60529):
  - closed: IP54
  - open: IP44
- Degree of mechanical protection (as per IEC 62262): IK8
- Dimensions (H x L x D): 270 x 305 x 170 mm
- Weight: 6 Kg
- Left-hand base:
  Type 1 inlet • IEC 62196 type 1 • U: 230V1 • I: < 1 A • F: 50 – 60 Hz
- Right-hand base:
  Type 2 inlet • IEC 62196 type 2-II • U: 400V3~ • I: < 1 A • F: 50 – 60 Hz
- Storage temperature: -30°C / +50°C
- Operating temperature: -30°C / +50°C
- Risk of mechanical damage to the simulation tool if dropped at a temperature < -2°C
- Relative humidity rate (RH): < 95%

Accessories and documents included

- Plasticized user's manual attached under the cover
- Detailed user manual (to be downloaded from the Web)
- BNC/banana plug adapter cord

Certification

- The electric vehicle simulation tool complies with standards IEC 61010-1 and IEC 61851-1

Recommended measuring instruments for additional tests

- **Ohmmeter:** to measure the resistance in the customer's cable connector
- **Oscilloscope:** for observation of signals during the electric vehicle status simulation test (signals in accordance with the IEC 61851 standard)

As a complement: EVlink charging cables

They are necessary for testing the charging stations.

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

Please refer to page 79

EVlink cable

Characteristics

EVlink cable for charging stations:

Mobility within arm's reach

Type 1 (T1)

Type 2 (T2)

Type 3 (T3)

- Tested and certified product: Third-part laboratory CB certification (LCIE) complies with applicable standard IEC 62196
- High protection, fast charging (Mode 3)
- High-strength cable

Characteristics

- Length: 5 m
- Max. current: 32 A
- Operating temperature: -30°C to +50°C
- Degree of protection: IP44

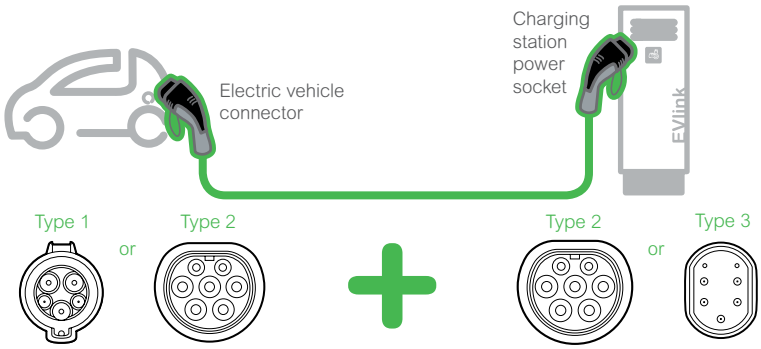
Two good reasons to have a second EVlink cable in your electric vehicle

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 high protection.

2. **To have a fallback solution.**
   E.g.: charging cable damaged or misplaced, help out another electric vehicle user.

Which EVlink cable

for which electric vehicle?



	References	No. of phases		Charging power accepted (kW)				Weight	Cable Length
		1	3	3.7	7.4	11	22.1	(Kg)	(m)
T1 + T2	EVP1CNS32121	●		●	●			2.4	5
T2 + T3	EVP1CNS32132	●		●	●			2.5	5
	EVP1CNS32332		●	●	●	●	●	3.2	5
T2 + T2	EVP1CNS32122	●		●	●			2.5	5
	EVP1CNS32322		●	●	●	●	●	3.2	5


EVlink

Managing charging station energy

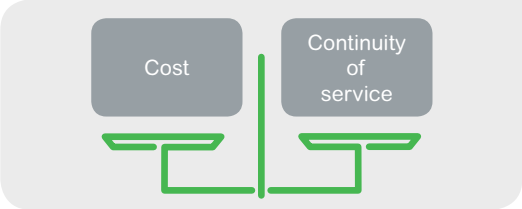
EVlink energy management

Energy management

Energy management stakes

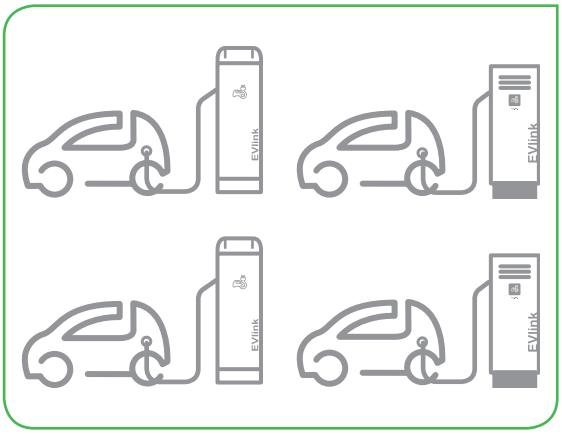
Energy management: why do it ?

- Avoids facility disruption, causing operating losses
- Reduces energy and electrical infrastructure costs
- Increases driver satisfaction
- Makes operations more efficient



And for charging stations, how does it work?

Allow **simultaneous charging** of the largest number of vehicles as quickly as possible ...



... while maintaining **charging priority privileges**, if necessary.

How to implement energy management?

Power limit

The **"power subscription"** with the energy supplier, or the maximum power supply capacity (depending on cable cross section, circuit breakers rating, etc.).

Measurements

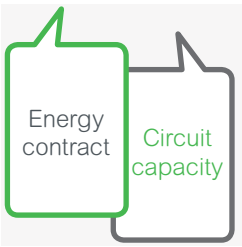
The total power demand of each charging point.

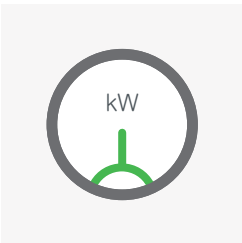
Controller

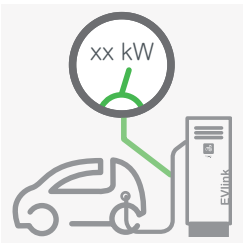
The controller performs data acquisition and runs the algorithms to control total demand and power allocation to the vehicles.

Actuators

The charging stations that can execute an order and temporarily limit the current supplied to the vehicle.





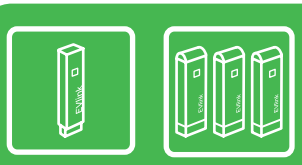


Scalable energy management solutions

Whether for a small or large electric vehicle charging infrastructure, requirements for energy cost reduction or continuity of service make sense.

This is especially true for investors wishing to future-proof their investment. For example, electric vehicle autonomy will increase thanks to battery capacity improvement, thus requiring more energy to be delivered by charging station as quickly as possible.

Energy management can be provided in two complementary ways



Standalone charging stations

Clusters of charging stations

The architecture and implementation vary accordingly but the key benefits remain:
lower investment, lower utility bills, tripping avoidance.

Energy management for Standalone charging station

The activation of this embedded feature makes it possible to limit the maximum power of a dual socket outlet charging station and to balance the load between the two socket outlets, so as to charge the vehicles as quickly as possible while remaining within the maximum power limit set for the charging station.

The charging station thus reduces the power delivered to the electric vehicles if they require more power than the maximum power setting.

Provide optimum flexibility

The maximum power of the charging station can be set:

- In the settings, through the embedded Web server. This value can be changed at any time with a few clicks.
- Remotely by an external system, either as a permanent value or dynamically. This remote setting by a central system can be done by:
  - a back-end Charge Point Operator, through OCPP
  - a Building Management System, an energy management system, or any other local system through Modbus.

Cluster of charging stations supplied by the facility network*

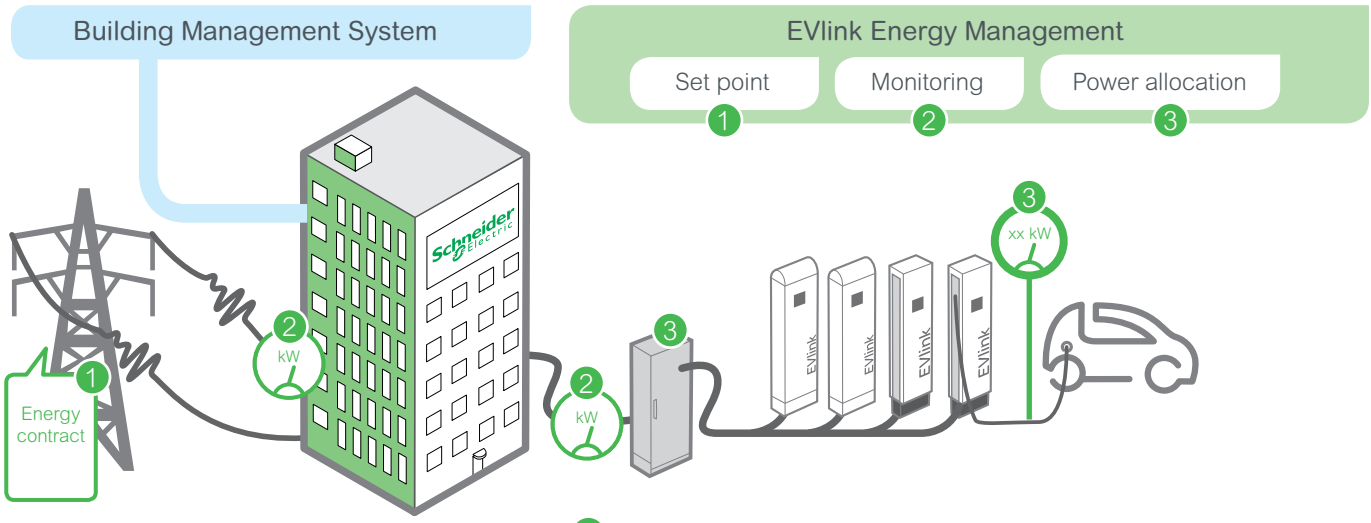
This is the case for charging stations whose administrative and technical management is grouped with that of a facility. An example is a company with a fleet of vehicles.

Overall energy management (facility + station) is recommended, in particular when the maximum power of the charging station (simultaneous use of socket outlets at full power) is significant by comparison with that of the facility.

Building automation and EVlink energy management, complementary systems

In some buildings, automatic control systems supervise total consumption and adapt the operation of certain devices to optimize power consumption and energy costs without adversely affecting work efficiency and occupant comfort.

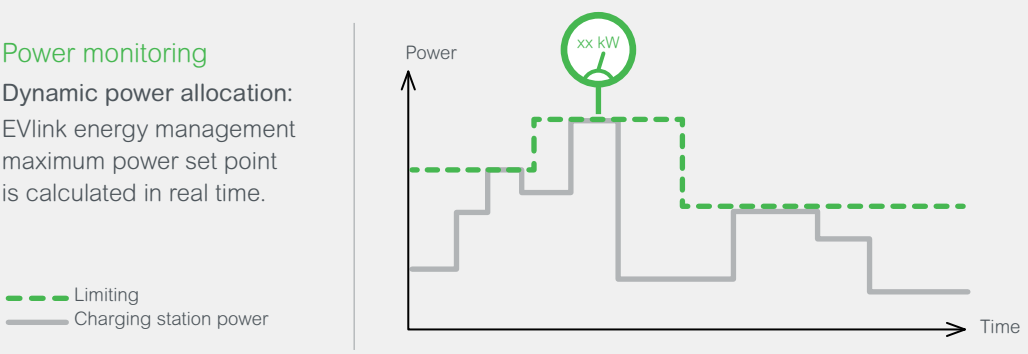
The total consumption and that of the charging stations are constantly transmitted to the charging station's controller. When this value approaches the limit set by the energy contract, the EVlink energy management program sends the charging stations an order temporarily limiting charging. It is also possible for the building management system to dynamically set the maximum power to the cluster of charging station.



1. Selecting maximum power
2. Metering the facility and charging stations consumptions
3. Real-time algorithms to allocate power to electric vehicles

Power monitoring

Dynamic power allocation:
EVlink energy management maximum power set point is calculated in real time.



* Offer limited to selected countries with project management mode.

Cluster of charging stations directly supplied by the utility grid*

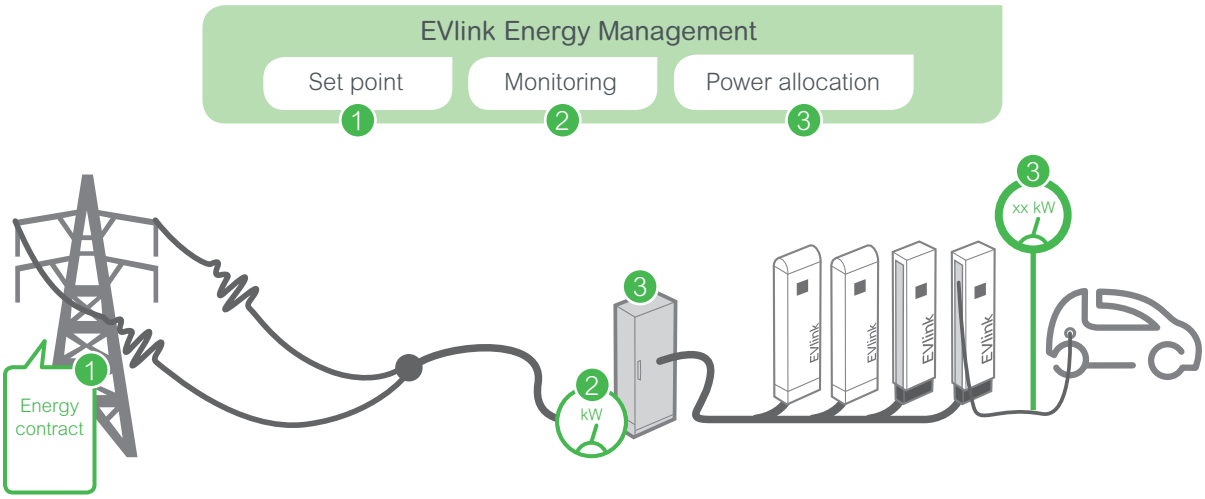
The charging station's energy is supplied directly by the electricity distribution system.
The installation includes a power meter and a circuit breaker set to the subscribed demand.

This case generally applies to Parking charging stations for which management is independent from a facility. Energy management is systematically recommended to optimize capital costs and energy supply subscription costs.

EVlink Energy Management, for compliance with the energy contract

In the protection and control panel, EVlink Energy Management program loaded in the controller helps to ensure energy management.

The maximum power set point parameter is configured during commissioning, together with the charging points power allocation scenario (see description on the next page).
The controller constantly monitors the charging station's total power. Based on this information, if necessary, it can activate or disable charging station power limitation.



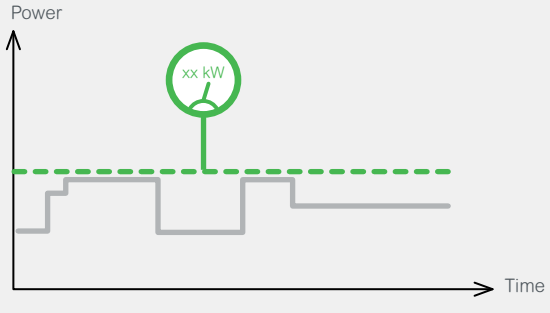
1. Selecting maximum power
2. Metering the facility and charging stations consumptions
3. Real-time algorithms to allocate power to electric vehicles

Power monitoring

With 'Static power allocation' the maximum power set point value is equal to the subscribed demand or any fixed value.

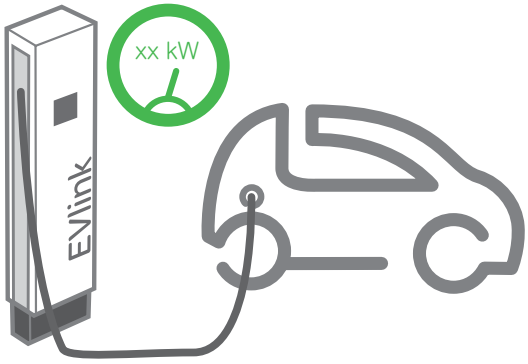
This mode can also be adopted when the charging station is supplied by a facility network. In that case the set point depends on the electrical sizing of the charging station's power supply circuit, or operational needs.

Maximum set point
Charging station power



* Offer limited to selected countries with project management mode.

Control of cluster of charging stations*



EVlink energy management power allocation scenarios

The controller performing energy management can reduce the charging station's power by sending orders to the charging points at any time.

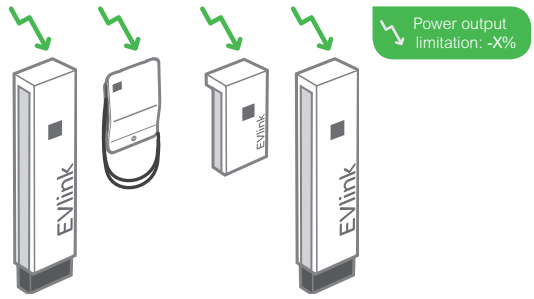
A choice of scenarios is set during commissioning, making it possible to take into account varied needs related to the use of the vehicles that will be charged.

Each charging station can limit its output

Once a vehicle is connected, charging can begin, but the output can be automatically limited by the charging station either to comply with restrictions regarding maximum power of the vehicle charger, the charging cable, or the charging station or on receiving an order from EVlink energy management controller and algorithms.

Proportional scenario

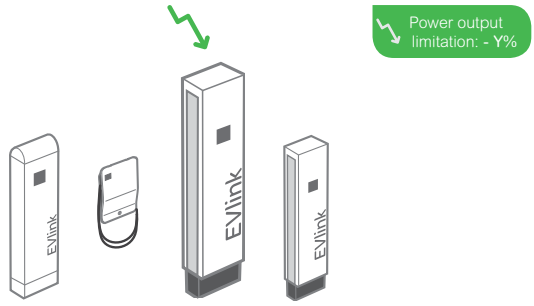
The output of each charging station is reduced by an identical percentage. Case of charging stations for vehicles and drivers having equal privileges.



Low-power scenario

The output of the charging stations with highest power requirement is reduced first.

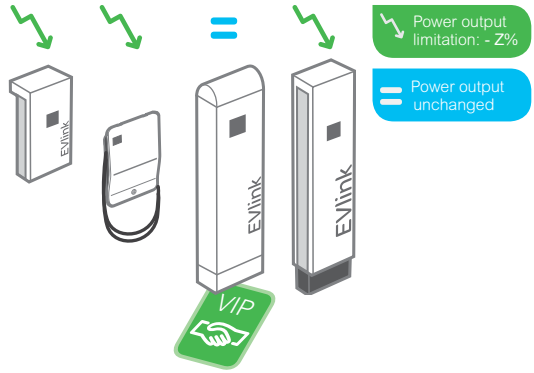
Case of charging stations where the strategy is to provide the same quantity of energy to vehicles in the event of a reduction in the available power.



VIP badge privileges

The station charging a vehicle identified by a priority badge does not apply the requested reduction or only partially.

Case of charging stations with RFID badge authentication. Charging of certain vehicles is not penalized for service reasons or to give priority to customers.



* Offer limited to selected countries with project management mode.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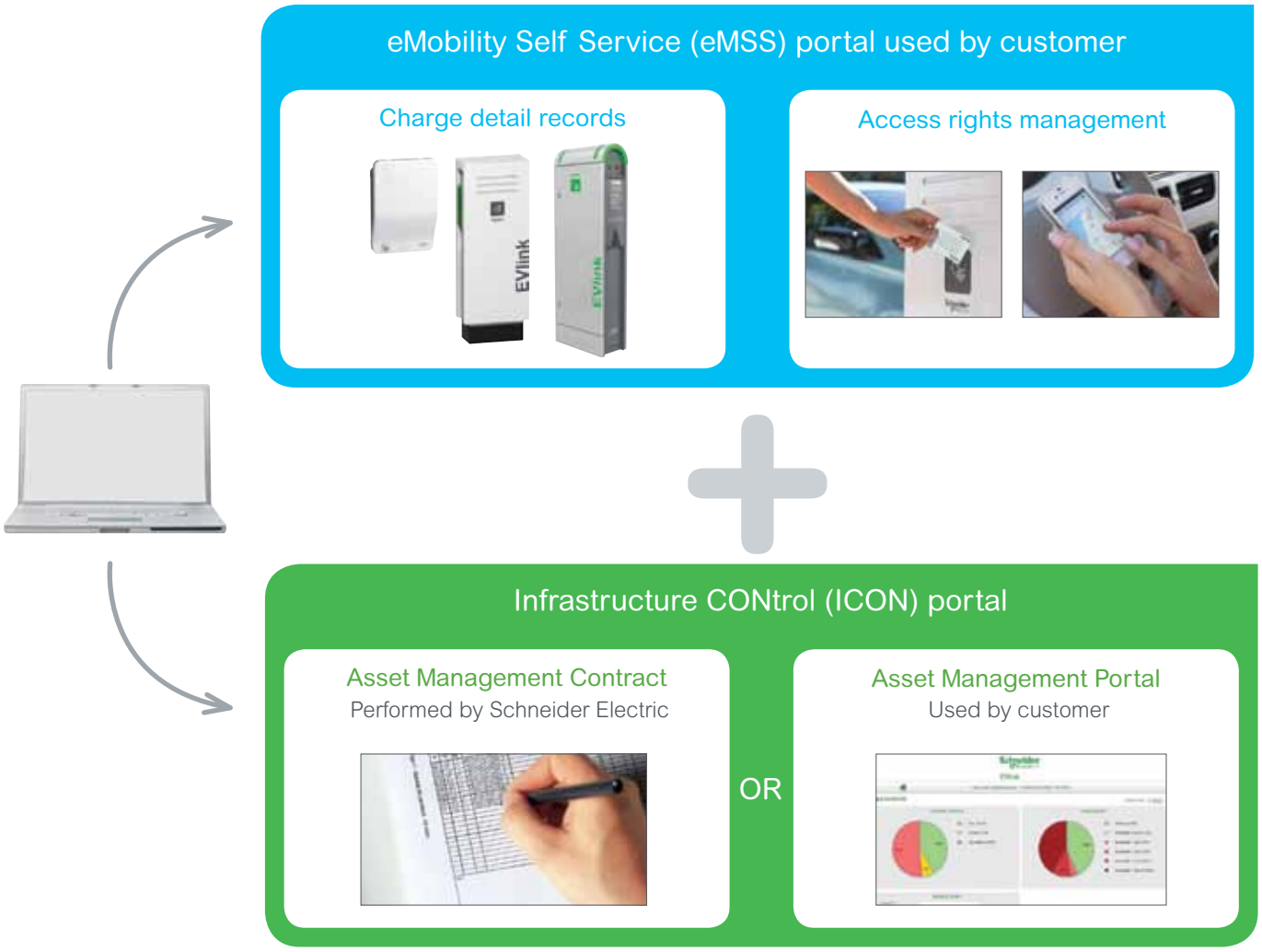
Operate charging infrastructure

EVlink Insights

EVlink Insights

A tiered offer



Schneider Electric EVlink Insights Services can be tailored to your expectations and to your company set-up and strategies:

Tailored Asset Management contracts:

- Charge points monitoring and remote diagnosis
- Remote operations such as set-points modification and charging station software upgrade
- Maintenance
- Reports and recommendations
- Access to a Web portal to manage driver rights
- Premium access to Schneider Electric customer care center

Schneider Electric takes care so that your infrastructure is up and running.

Self-service solution: IT back end services and Web portals to efficiently manage the infrastructure and drivers on your own:

- Authentication rights
- Drivers charge detail records
- Charging points monitoring and operation

You get the toolbox to operate the infrastructure thanks to extensive IT back end services and applications.

Managing charging stations and user rights remotely

Driver front end

Smartphone App.
Find charge points and start charging

Interfaces with third parties:
- Roaming
- Payment solution
- etc.

Cloud-based and cybersecurity-tested solution, accessible through any Web browser.

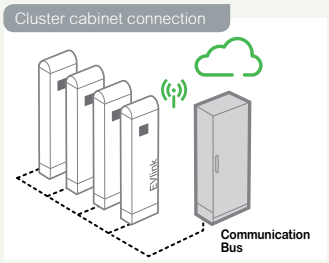
Charge point operator user interface

eMobility Self Service
Manage access and generate reports

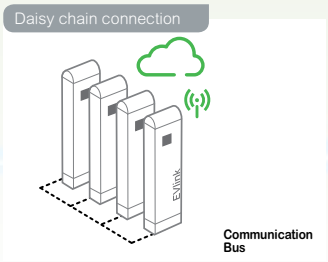
Infrastructure Control
Remotely control, monitor, and diagnose the infrastructure

Charging stations are connected via GPRS modem

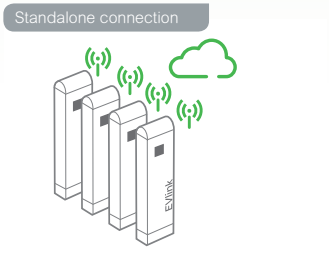
Cluster cabinet connection



Daisy chain connection

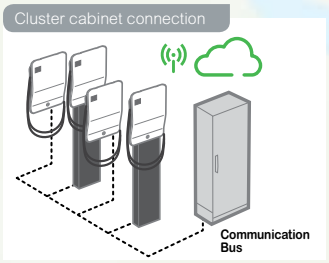


Standalone connection

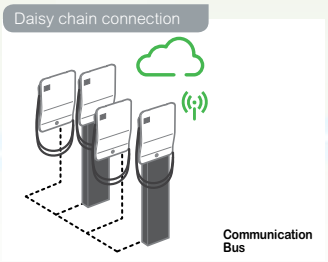


Charging stations are connected via GPRS modem

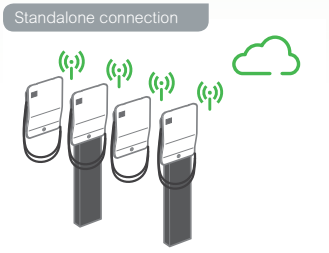
Cluster cabinet connection



Daisy chain connection

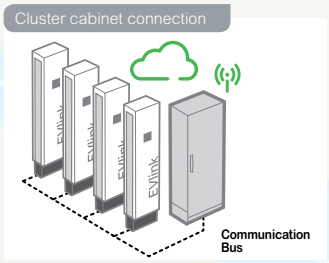


Standalone connection

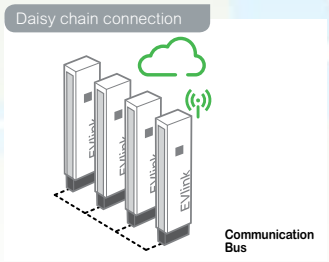


Charging stations are connected via GPRS modem

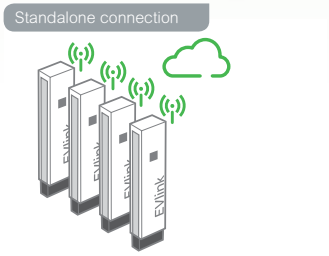
Cluster cabinet connection



Daisy chain connection



Standalone connection



EVlink Insights

Benefits for all stakeholders

Electric vehicle driver's experience is improved:

- Multiple authentication methods are available, such as Contract-ID, RFID badge, or voucher
- All authentication methods are valid simultaneously at all locations
- Since troubles are detected automatically, the availability of the charging stations is improved.

Infrastructure usage is comprehensive

Charge detail records per charge point enable charging and occupancy analysis:

- Decide actions to improve infrastructure use
- Plan future investment at the right time
- Understand corporate drivers or customers charging behavior and improve deployment strategies

Charge detail records per user enable to:

- Generate revenues by invoicing electric vehicle drivers.

Asset Management is optimal and adapted to multifacility infrastructure:

- Complete visibility of the charging stations with status and availability, consumption analysis, activated services status, etc.
- Remote operations on charging stations: configuration, firmware upgrade, diagnosis with maintenance reports, remote start and stop of a charging process.

Maintenance is faster, less costly, and more efficient:

- Receive alarm from charging stations
- Perform remote diagnosis
- Download maintenance reports.

Total cost of ownership is well managed:

- Investment costs are reduced
- No servers and IT management costs
- Broad range of remote operations available, without technician on site
- High infrastructure uptime.

EVlink Insights

Features

eMSS: eMobility Self Service Portal

User Management:
- View and edit driver ID contracts
- Activate or deactivate ID contracts
- View, add, or delete allocated RFID badges

Charge detail records and reports:
- View charge points and contract records (kWh or time-based)
- Diagrams and graphs display
- Provision of consumption data and .csv files export per period
- CO_2 savings simulation and dashboards

ICON: Infrastructure CONtrol Portal

Infrastructure dashboard:
- "Current Status" widget displays current status of charge points
- "Availability" widget displays available and non reachable charge points

Remote activation of charging session:
- Start and stop of charging process
- By different authentication methods: contract-ID, voucher, goodwill

Infrastructure monitoring:
- Monitor status (dynamic)
- Monitor charge point details, including technical information, activated services per charging point, availability matrix, and charging sessions for the past 7 days

Configuration management:
- Remotely change the configuration of individual charge points
- Change operating mode of a charge point from authentication mode to a mode without authentication

Firmware update:
- Remotely perform firmware update without an on-site technician
- Fulfill firmware updates to multiple charge points at the same time

Remote diagnosis:
- Obtain OCPP error messages
- Access maintenance reports with error and message logs

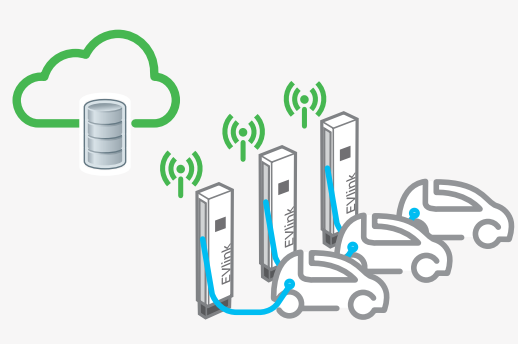
EVlink Insights subscription offers

Communication infrastructure

The supervision servers allow operation of an infrastructure consisting of a single charging station cluster or a number of geographically scattered charging stations.

Each charging station exchanges its data via a wireless modem (GPRS).

The operating status, real-time meter values, and charge detail records can be accessed locally and remotely with any Web browser.

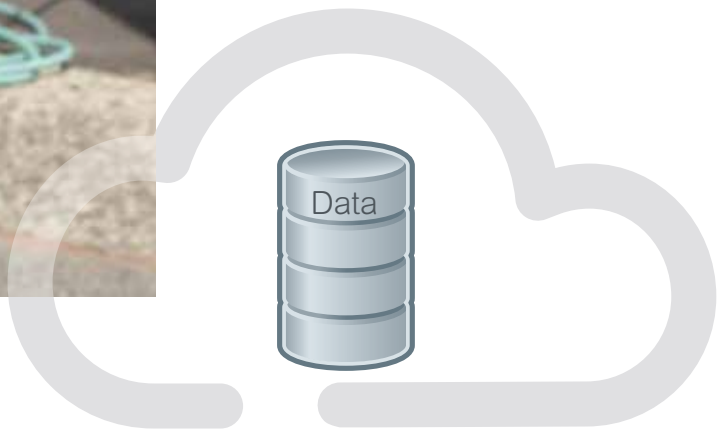


Cloud Computing benefits

Schneider Electric has adopted Cloud Computing to collect, store, and provide data on connected charging stations.

Using Cloud Computing, the necessary IT resources (servers, application programs, etc.) are made available in real time via Internet.

- Access is possible from any location via a standard Web browser.
- The charging station owner is relieved of capital costs and IT administration costs.
- The data is backed up automatically.



Security, confidentiality

Access to both portals is password protected. Each operator has a personal access and authorizations for viewing and/or changing data.

Data communication compliant with the HTTPS protocol helps to ensure data integrity and confidentiality.

For further information and to request a quote please refer to your country representative.


EVlink

Solutions for your project

"Turnkey" project
Services for contractors
Services for operators

Solutions for your project

Listen
Understand
Propose

Your Schneider Electric correspondent is a professional, specialized in the charging infrastructure solution.

Based on the technical and economic data of your charging station project, he or she will propose the appropriate solution:

- "Turnkey" charging station project performed by Schneider Electric
- Sale of charging stations and services with possible support at start-up.

Preliminary technical audit

To contract the optimum solution.

For example, this service is essential when the charging station power could jeopardize the electrical infrastructure of an existing facility.

"Turnkey" project

The charging station project is proposed to you in a contractual document

It specifies the following information:

- Precise characteristics of the structure
- Schedule of the various project phases and a delivery date
- Technical documents submitted for operation and maintenance
- Conditions of support services

On the agreed date, Schneider Electric will deliver the complete solution in operating conditions and allowing on-site training of operating personnel.

The project is managed entirely to the Electric Vehicle Center of Expertise.

A single contact for the project team, whatever the subject, commercial or technical.

Energy management and supervision are key to the expertise of project teams

Solutions

- EVlink Energy Management is generally included in "turnkey" projects.

Services for contractors

Designers, installers ...
Develop new competencies, get support from our specialists to make your business more efficient

Training on regulations, electrical and communication architectures, setup, tests and maintenance for contractors

- Charging station design principles.
- Learning about and mastering Schneider Electric standard architectures, charging stations, components, and monitoring services.
- Training in assembly, operating tests and maintenance procedures.

Technical support during projects

If necessary, priority access to our specialists is provided through a hotline or on-site as a paying service.

Services for operators

Private or public parking operators, fleet managers …

Schneider Electric helps you save time and preserves your peace of mind through optimization of your charging station infrastructure.

Technical monitoring: constant charging station supervision and diagnosis

If Schneider Electric specialists detect any anomaly, an initial diagnosis is performed. The operator is informed and can be guided through simple reboot operations.

If necessary, a partner firm may be called on to provide support.

Maintenance: preserving availability

Schneider Electric has trained a network of local installer-partners.

They perform routine maintenance of your charging stations and perform repairs if necessary. They are supported by our Customer Care Centers.

Expert appraisal/advice: making the most of your charging station

Based on the activity and consumption reports, our experts establish an efficiency diagnostic of the installation based on energy cost and equipment availability criteria.

If necessary, operating advice and proposals for technical improvement are submitted.


EVlink

List of references

Customer Care Center

Electric vehicle news on the website

- Information
- Advice
- Charging solutions

and much more!

schneider-electric.com/electric-vehicle

EVlink

EVlink Wallbox charging stations

Characteristics [1]	References
Charging stations with socket outlet	
3.7 kW – T2	**EVH2S3P02K**
7.4 kW – T2	**EVH2S7P02K**
11 kW – T2	**EVH2S11P02K**
22.1 kW – T2	**EVH2S22P02K**
3.7 kW – T2 with shutters	**EVH2S3P04K**
7.4 kW – T2 with shutters	**EVH2S7P04K**
11 kW – T2 with shutters	**EVH2S11P04K**
22.1 kW – T2 with shutters	**EVH2S22P04K**
Charging stations with attached cable	
3.7 kW – T1	**EVH2S3P0AK**
7.4 kW – T1	**EVH2S7P0AK**
3.7 kW – T2	**EVH2S3P0CK**
7.4 kW – T2	**EVH2S7P0CK**
11 kW – T2	**EVH2S11P0CK**
22.1 kW – T2	**EVH2S22P0CK**

[1] Charging station characteristics = Power – Socket outlet or connector type.

Spare parts	References
Front panel	
Front panel	**EVP1HCWN**
Key lock	
Key lock random	**EVP1HLSR**
Key lock single	**EVP1HLSS**
Flap	
Flap T2 socket Wallbox	**EVP1HFS0**
Socket outlet	
Socket outlet T2S single-phase	**EVP1HSM41**
Socket outlet T2 single-phase	**EVP1HSM21**
Socket outlet T2S three-phase	**EVP1HSM43**
Socket outlet T2 three-phase	**EVP1HSM23**
Attached cable	
Attached cable T1 16 A single-phase	**EVP2CNS161A4**
Attached cable T1 32 A single-phase	**EVP2CNS161A4**
Attached cable T2 16 A single-phase	**EVP2CNS161C4**
Attached cable T2 32 A single-phase	**EVP2CNS321C4**
Attached cable T2 16 A three-phase	**EVP2CNS163C4**
Attached cable T2 32 A three-phase	**EVP2CNS323C4**
Pedestal mounting base	
Pedestal mounting base for floor standing of 1 or 2 Wallbox or Smart Wallbox	**EVP1PBSSG**

EVlink Smart Wallbox charging stations

Characteristics [1]	References
Charging stations with socket outlet	
7.4 / 22.1 kW – T2 - Key lock	EVB1A22P2KI
7.4 / 22.1 kW – T2 - RFID	EVB1A22P2RI
7.4 / 22.1 kW – T2 shutter - Key lock	**EVB1A22P4KI***
7.4 / 22.1 kW – T2 shutter - RFID	**EVB1A22P4RI***
7.4 / 22.1 kW – T2 shutter + TE - Key lock	**EVB1A22P4EKI***
7.4 / 22.1 kW – T2 shutter + TE - RFID	**EVB1A22P4ERI***
Charging stations with 4.5 m attached cable	
7.4 kW – T1 - Key lock	EVB1A7PAKI
7.4 kW – T1 - RFID	EVB1A7PARI
7.4 kW – T2 - Key lock	EVB1A7PCKI
7.4 kW – T2 - RFID	EVB1A7PCRI
22.1 kW – T2 - Key lock	EVB1A22PCKI
22.1 kW – T2 - RFID	EVB1A22PCRI
Accessories	
Pack of 10 RFID badges	EVP1BNS

[1] Charging station characteristics = Power – Socket outlet or connector type.
*** Shorter delivery time.**

Spare parts	References
Front panel	
Front panel	**EVP1HCWN**
Key lock	
Key lock random	**EVP1HLSR**
Key lock single	**EVP1HLSS**
Flap	
Flap T2 socket Wallboxr	**EVP1HFS0**
Socket outlet	
Socket outlet T2S three-phase	**EVP1HSM43**
Socket outlet T2 three-phase	**EVP1HSM23**
Socket outlet TE domestic single-phase	**EVP1BSSE**
Attached cable	
Attached cable T1 32A single-phase	**EVP1CNS161A45**
Attached cable T2 32A single-phase	**EVP1CNS321C45**
Attached cable T2 32A three-phase	**EVP1CNS323C45**
Communication interfaces	
WiFi module	**EVP1MWSI**
GPRS modem	**EVP1MM**
Pedestal mounting base	
Pedestal mounting base for floor standing of 1 or 2 Wallbox or Smart Wallbox	**EVP1PBSSG**

Additional offer

EVlink Management Services components	Reference
EVlink GPRS Modem	**EVP1MM**
PLC software	**References**
Energy and Cluster management SD card	**NCA82000***
Cluster management SD card	**NCA84000***
Test tool	**Reference**
Electric vehicle simulation tool	**NCA93100**

* Offer limited to selected countries with project management mode.

EVlink

EVlink Parking charging stations

Characteristics[1]	References
Floor-standing charging stations	
7.4 kW – 1 x T2	EVF2S7P02
7.4 kW – 1 x T2 – RFID	EVF2S7P02R
7.4 kW – 1 x T2 with shutters	EVF2S7P04
7.4 kW – 1 x T2 with shutters – RFID	EVF2S7P04R
7.4 kW – 2 x T2	EVF2S7P22
7.4 kW – 2 x T2 – RFID	EVF2S7P22R
7.4 kW – 2 x T2 with shutters	**EVF2S7P44***
7.4 kW – 2 x T2 with shutters – RFID	**EVF2S7P44R***
7.4 / 2.3 kW – T2 / TF	EVF2S7P2F
7.4 / 2.3 kW – T2 / TF – RFID	EVF2S7P2FR
7.4 / 2.3 kW – T2 with shutters / TE	EVF2S7P4E
7.4 / 2.3 kW – T2 with shutters / TE – RFID	EVF2S7P4ER
22.1 kW – 1 x T2	EVF2S22P02
22.1 kW – 1 x T2 – RFID	**EVF2S22P02R***
22.1 kW – 1 x T2 with shutters	EVF2S22P04
22.1 kW – 1 x T2 with shutters – RFID	**EVF2S22P04R***
22.1 kW – 2 x T2	EVF2S22P22
22.1 kW – 2 x T2 – RFID	**EVF2S22P22R***
22.1 kW – 2 x T2 with shutters	**EVF2S22P44***
22.1 kW – 2 x T2 with shutters – RFID	**EVF2S22P44R***
22.1 / 2.3 kW – T2 / TF	EVF2S22P2F
22.1 / 2.3 kW – T2 / TF – RFID	**EVF2S22P2FR***
22.1 / 2.3 kW – T2 with shutters / TE	EVF2S22P4E
22.1 / 2.3 kW – T2 with shutters / TE – RFID	**EVF2S22P4ER***
Wall-mounted charging stations	
7.4 kW – 1 x T2	**EVW2S7P02***
7.4 kW – 1 x T2 – RFID	EVW2S7P02R
7.4 kW – 1 x T2 with shutters	EVW2S7P04
7.4 kW – 1 x T2 with shutters - RFID	**EVW2S7P04R***
7.4 kW – 2 x T2	EVW2S7P22
7.4 kW – 2 x T2 – RFID	EVW2S7P22R
7.4 kW – 2 x T2 with shutters	**EVW2S7P44***
7.4 kW – 2 x T2 with shutters - RFID	EVW2S7P44R
22.1 kW – 1 x T2	EVW2S22P02
22.1 kW – 1 x T2 – RFID	EVW2S22P02R
22.1 kW – 1 x T2 with shutters	**EVW2S22P04***
22.1 kW – 1 x T2 with shutters - RFID	EVW2S22P04R
22.1 kW – 2 x T2	**EVW2S22P22***
22.1 kW – 2 x T2 – RFID	**EVW2S22P22R***
22.1 kW – 2 x T2 with shutters	**EVW2S22P44***
22.1 kW – 2 x T2 with shutters - RFID	**EVW2S22P44R***
Accessories	
Parking cable holder	EVP1PH
Protective cover – only for wall-mounted parking charging station	EVP1WPSC
Protection kit	EVP1FKC
Pack of 10 RFID badges	EVP1BNS

[1] Charging stations characteristics = Power – Number x type of socket outlet – RFID: badge reader.
*** Shorter delivery time.**

EVlink Parking charging stations

Spare parts	References
Enclosure	
7.4 kW – 1 x T2	**EVP2PE702***
7.4 kW – 1 x T2 – RFID	EVP2PE702R
7.4 kW – 1 x T2 with shutters	EVP2PE704
7.4 kW – 1 x T2 with shutters – RFID	**EVP2PE704R***
7.4 kW – 2 x T2	EVP2PE722
7.4 kW – 2 x T2 – RFID	EVP2PE722R
7.4 kW – 2 x T2 with shutters	**EVP2PE744***
7.4 kW – 2 x T2 with shutters – RFID	**EVP2PE744R***
7.4 / 2.3 kW – T2/TF	EVP2PE72F
7.4 / 2.3 kW – T2/TF – RFID	EVP2PE72FR
7.4 / 2.3 kW – T2 with shutters/TE	EVP2PE74E
7.4 / 2.3 kW – T2 with shutters/TE – RFID	EVP2PE74ER
22.1 kW – 1 x T2	EVP2PE2202
22.1 kW – 1 x T2 – RFID	**EVP2PE2202R***
22.1 kW – 1 x T2 with shutters	**EVP2PE2204***
22.1 kW – 1 x T2 with shutters – RFID	**EVP2PE2204R***
22.1 kW – 2 x T2	**EVP2PE2222***
22.1 kW – 2 x T2 – RFID	**EVP2PE2222R***
22.1 kW – 2 x T2 with shutters	**EVP2PE2244***
22.1 kW – 2 x T2 with shutters – RFID	**EVP2PE2244R***
22.1 / 2.3 kW – T2/TF	EVP2PE222F
22.1 / 2.3 kW – T2/TF – RFID	**EVP2PE222FR***
22.1 / 2.3 kW – T2 with shutters/TE	**EVP2PE224E***
22.1 / 2.3 kW – T2 with shutters/TE – RFID	**EVP2PE224ER***
Base	
Floor-standing base	EVP2FBS
Wall-mounted base	EVP1WBS
Cap	
Floor standing	EVP2FCG
Wall mounted	EVP2WCG
Cover	
Gray cover without RFID	EVP1PPGR
Gray cover with RFID	EVP1PPG
Socket outlet	
Green socket outlet T2	EVP1PSS2
Green socket outlet T2S	EVP1PSS4
Green socket outlet TE	EVP1PSSE
Green socket outlet TF	EVP1PSSF
Flap	
Green scooter Fl ap	EVP1PSS

*** Shorter delivery time**

Additional offer

EVlink Management Services components	Reference
EVlink GPRS Modem	**EVP1MM**
PLC software	**References**
Energy and Cluster management SD card	**NCA82000***
Cluster management SD card	**NCA84000***
Test tool	**Reference**
Electric vehicle simulation tool	**NCA93100**

* Offer limited to selected countries with project management mode.

EVlink

EVlink City charging stations

Characteristics[1]	References
Floor-standing charging stations	
7.4 kW – 2 x T2 +TE - RFID	**EVC1S7P4E4ERF***
7.4 kW – T2 + TE - T3 + TE - RFID	**EVC1S7P4E3ERF***
7.4 kW – 2 x T2 +TE - RFID - GPRS	**EVC1S7P4E4ERFM***
7.4 kW – T2 + TE - T3 + TE - RFID - GPRS	**EVC1S7P4E3ERFM***
7.4 kW – 2 x T2 +TE - RFID - Vehicle Detection	**EVC1S7P4E4ERFD***
7.4 kW – T2 + TE - T3 + TE - RFID - Vehicle Detection	**EVC1S7P4E3ERFD***
7.4 kW – 2 x T2 +TE - RFID - GPRS - Vehicle Detection	**EVC1S7P4E4ERFT***
7.4 kW – T2 + TE - T3 + TE - RFID - GPRS - Vehicle Detection	**EVC1S7P4E3ERFT***
22.1 kW – 2 x T2 +TE - RFID	**EVC1S22P4E4ERF***
22.1 kW – T2 + TE - T3 + TE - RFID	**EVC1S22P4E3ERF***
22.1 kW – 2 x T2 +TE - RFID - GPRS	**EVC1S22P4E4ERFM***
22.1 kW – T2 + TE - T3 + TE - RFID - GPRS	**EVC1S22P4E3ERFM***
22.1 kW – 2 x T2 +TE - RFID - Vehicle Detection	**EVC1S22P4E4ERFD***
22.1 kW – T2 + TE - T3 + TE - RFID - Vehicle Detection	**EVC1S22P4E3ERFD***
22.1 kW – 2 x T2 +TE - RFID - GPRS - Vehicle Detection	**EVC1S22P4E4ERFT***
22.1 kW – T2 + TE - T3 + TE - RFID - GPRS - Vehicle Detection	**EVC1S22P4E3ERFT***
Accessories	
Pack of 10 RFID badges	EVP1BNS

[1] Charging stations characteristics = Power – Number x type of socket outlet – RFID: badge reader.
(*) All charging stations are delivered with 2 RFID badges

Additional offer

EVlink Management Services components	Reference
EVlink GPRS Modem	**EVP1MM**
PLC software	**References**
Energy and Cluster management SD card	**NCA82000***
Cluster management SD card	**NCA84000***
Test tool	**Reference**
Electric vehicle simulation tool	**NCA93100**

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Cable

EVlink Cable		References
32 A - T1 T2 - 5 m	1 phase	**EVP1CNS32121**
32 A - T2 T2 - 5 m	1 phase	**EVP1CNS32122**
32 A - T2 T2 - 5 m	3 phases	**EVP1CNS32322**
32 A - T2 T3 - 5 m	1 phase	**EVP1CNS32132**
32 A - T2 T3 - 5 m	3 phases	**EVP1CNS32332**

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19, May, 2016
Document Number COM-POWER-VE-CA3-EN PSD der