

EVlink Smart Wallbox NEW

In short



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)



Product QR code
'FLASH ME'



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

Fleet car at home



Condominium



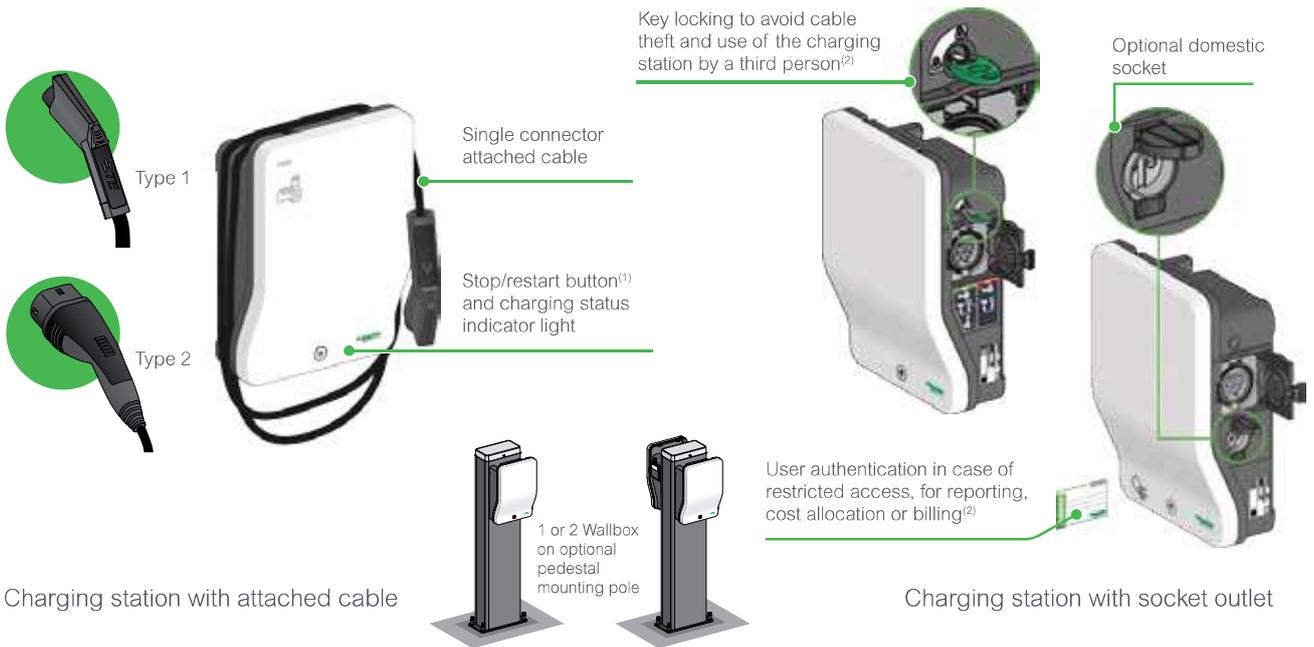
Corporate and semi-public car parks



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



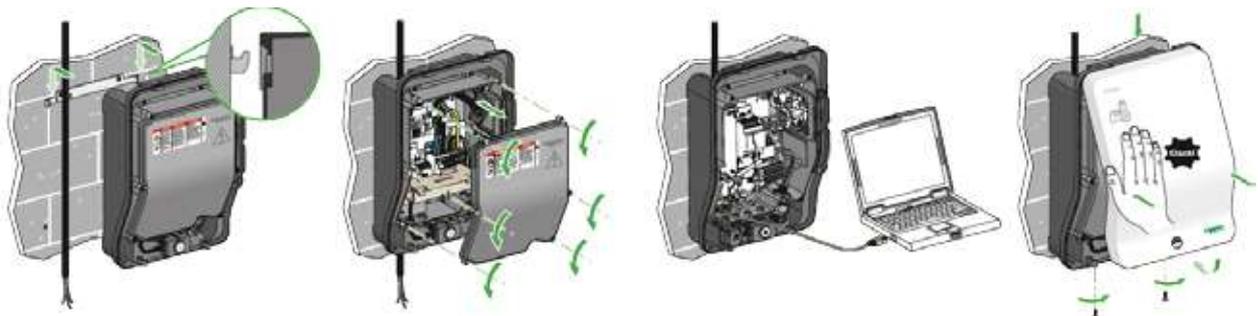
⁽¹⁾: also available with EVlink Smart Wallbox with attached
⁽²⁾: button can be deactivated with commissioning tool

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



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Characteristics



Cloud-connectable



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

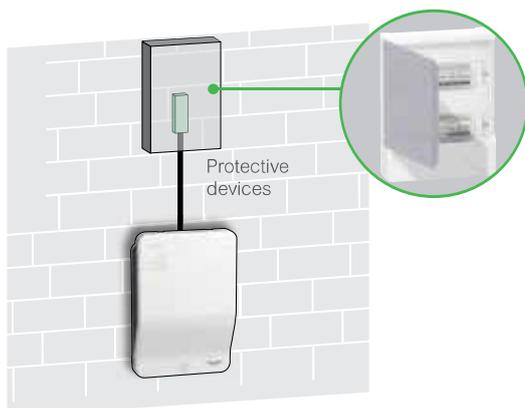
New installation: supply line and protection devices must be defined for the highest power setting.

Description	Single-phase	Three-phase
Charging		
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 As ⁽²⁾	30 mA type B
Under voltage tripping auxiliary	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" if necessary, with commissioning tool.



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

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Accessory references

EVlink Cable



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

Electric vehicle simulation tool



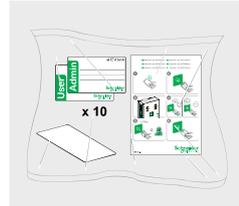
Enables operating check of the charging station and charging cable.
Reference: **NCA93100**

Pedestal mounting pole



Floor standing of 1 or 2 Smart Wallbox
Reference: **EVP1PBSSG**

Pack of 10 RFID badges



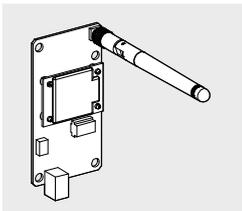
For charging stations equipped with an RFID reader. The badges are supplied blank, ready to be programmed to identify an administrator or user. Sheet of adhesive labels for badges: 1 administrator + 9 users.
Reference: **EVP1BNS**

Software for PLC*



Software on SD card for Modicon M340 PLC. EVlink Energy & Cluster Management Software
Reference: **NCA82000**
EVlink Cluster Management Software
Reference: **NCA84000**

WiFi module



Reference: **EVP1MWSI**

GPRS modem



Reference: **EVP1MM**

* Offer limited to selected countries with project management mode.

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

Attached cable	References
	T1 charging connector 32 A single-phase EVP1CBS321A45

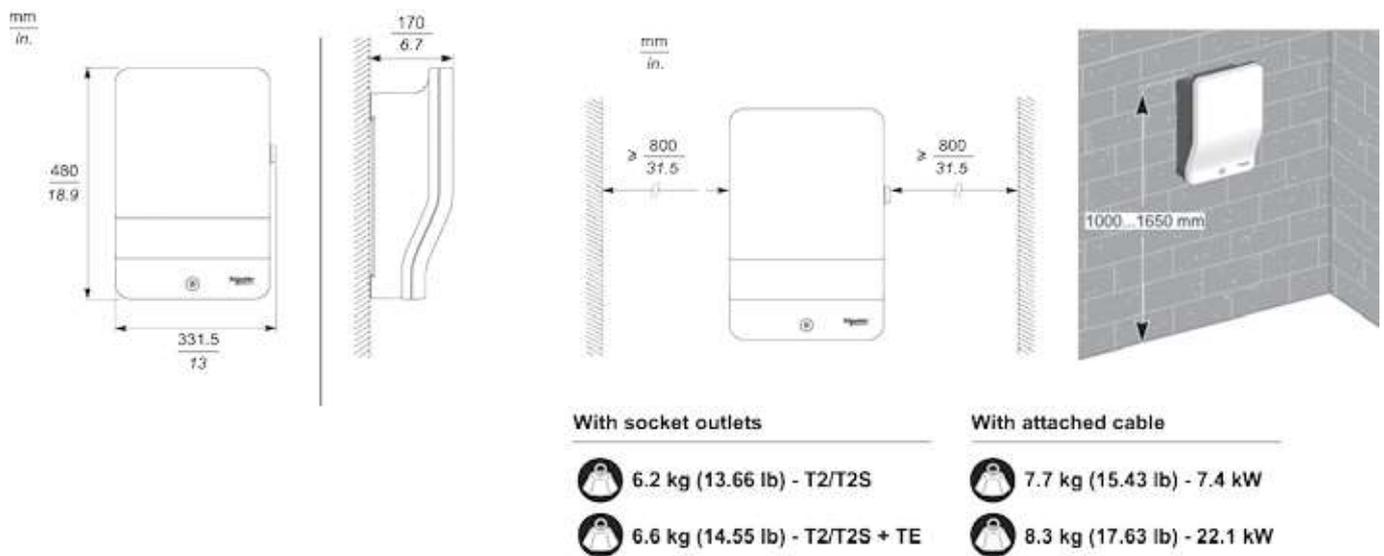
⁽¹⁾ Example:
- If you order 10 Key locks random: you will receive 10 different keys.
- If you order 10 Key locks single: you will receive 10 identical keys.

Flap	Reference
	Flap T2 socket Wallbox EVP1HFS0

	T2 charging connector 32 A single-phase EVP1CBS321C45
	32 A three-phase EVP1CBS323C45

Practical information

> Dimensions (mm)



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

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

CTracker 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

