

EVlink Wallbox

In short



Product QR code
'FLASH ME'



EVlink Wallbox, a range made of Wallbox 'Standard' and Wallbox 'Plus'

Extensive choice

Wallbox 'Standard' and Wallbox 'Plus' are each available in 14 versions:

- Rated charging power: 3.7, 7.4, 11 or 22 kW
- T2 socket outlet (with or without shutter) or attached cable (with T1 or T2 connector)

Charging station QR Code

- To get the product datasheet or to join Customer Care Center with "mySchneider" app, flash the QR Code with your usual QR Code reader
- To access cloud-based EcoStruxure™ Facility Expert app maintenance organizer: charging station registration, maintenance reports, (see page 25)

Robustness

- Highly robust to mechanical impact: IK10
- Suitable for outdoor use: IP54
- Heavy duty T2 socket outlet with silver plated contacts avoiding overheating

Easy to use

- "Plug and charge"
- One-touch stop/restart
- Attached cable rolled up around the Wallbox
- 1 or 2 charging stations mounted on the same pole

Energy management options

Only one option to be selected at once, or none

- Delayed start to charge only in off-peak hours
- Temporary current limitation from 16 A (3.7 and 11 kW) to 10 A, or from 32 A (7.4 and 22 kW) to 16 A, to cut the risk of electric overload
- Permanently adjust the maximum charging current available for the vehicle, to avoid tripping (utility meter or incoming circuit-breaker) when the overall consumption of the home is close to the subscribed power

The first two options are activated by closing an external contact (off-peak switch, load-shedding device, etc) hardwired to the single digital input. The third option is only available in Wallbox Plus when using the TIC ("Télé-Information Client") interface of French utility meters (single-phase residential only with Linky and former electronics meters)

Protection against earth leakage current (Wallbox Plus only)

Wallbox Plus is fitted with a built-in protection against residual direct current (RDC-DD, as "Residual Direct Current Detecting Device"). This makes it possible to use an upstream type A protection against residual current (RCD) both in single-phase and three-phase, in accordance with the CENELEC HD 60364-7-722:2016 electrical installation standard.

Please note that despite the mandatory application of this new standard since February 2019, some countries may have not yet updated their national standard accordingly. National standards and codes prevail and the use of a RCD type A combined with a RDC-DD may be prohibited in three-phase.

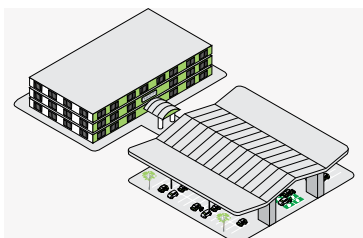
At home



At home — condominium



In private parking area

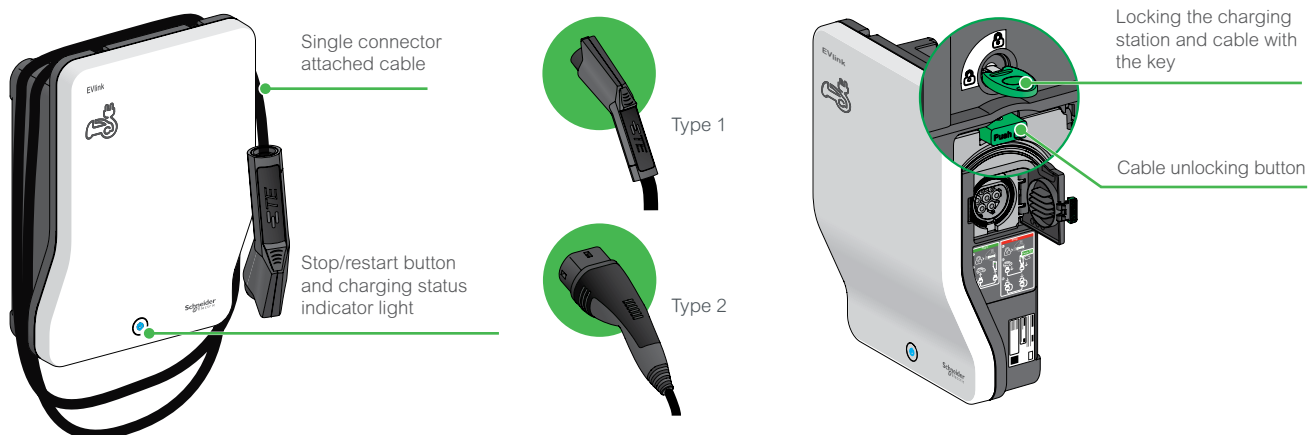


Application

EVlink Wallbox 'Standard' and EVlink Wallbox 'Plus'

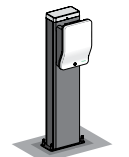
Wallbox Standard and Wallbox Plus are recommended for homes, as well as tougher environments (condominium, corporate park, hotel, etc.), because of their weatherproof and robust design.

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

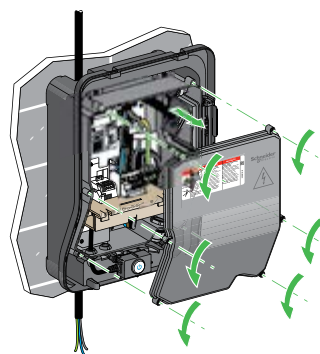
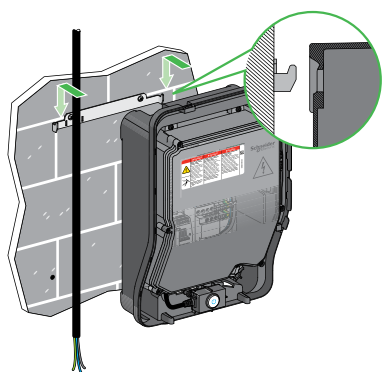
Easy to install

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



Z.E. READY*



> 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.

(*) Granted to Wallbox Standard, planned for Wallbox Plus.

EVlink Wallbox 'Standard' and EVlink Wallbox 'Plus'

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 kW charging stations
- Suitable earthing systems:
 - TT, TN-S, TN-C-S
 - IT (may require the addition of an isolating transformer to make it possible to charge 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 exclusive options: delayed charging start, temporary current limitation, real time maximum charging current control (Wallbox Plus only, combined with TIC interface of French utility meters)

Access control modes

- Free access
- Control by key lock, including charging cable 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.

Charging station references

EVlink Wallbox



Description	Socket outlet or connector type	Power (kW) Phases	References	
			Wallbox Standard	Wallbox Plus
With socket outlet on right side ⁽¹⁾ - Silver-plated contacts				
T2		3.7 (1P - 16 A)	EVH2S3P02K	EVH3S3P02K
		7.4 (1P - 32 A)	EVH2S7P02K	EVH3S7P02K
		11 (3P - 16 A)	EVH2S11P02K	EVH3S11P02K
		22 (3P - 32 A)	EVH2S22P02K	EVH3S22P02K
T2 with shutters		3.7 (1P - 16 A)	EVH2S3P04K	EVH3S3P04K
		7.4 (1P - 32 A)	EVH2S7P04K	EVH3S7P04K
		11 (3P - 16 A)	EVH2S11P04K	EVH3S11P04K
		22 (3P - 32 A)	EVH2S22P04K	EVH3S22P04K
With attached cable 4 m, on right side - Silver-plated contacts				
T1		3.7 (1P - 16 A)	EVH2S3P0AK	EVH3S3P0AK
		7.4 (1P - 32 A)	EVH2S7P0AK	EVH3S7P0AK
T2		3.7 (1P - 16 A)	EVH2S3P0CK	EVH3S3P0CK
		7.4 (1P - 32 A)	EVH2S7P0CK	EVH3S7P0CK
		11 (3P - 16 A)	EVH2S11P0CK	EVH3S11P0CK
		22 (3P - 32 A)	EVH2S22P0CK	EVH3S22P0CK

⁽¹⁾ Cable available as an accessory.

Protections and options with Wallbox Standard

Description					
Charging		Single-phase		Three-phase	
Rated Power - Current		3.7 kW - 16 A	7.4 kW - 32 A	11 kW - 16 A	22 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 B Type for EV ⁽²⁾ : A9Z51225	30 mA B Type for EV ⁽²⁾ : A9Z51240	30 mA B Type for EV: A9Z51425	30 mA B Type for EV: A9Z51440
		30 mA B-SI Type ⁽²⁾ : A9Z61225	30 mA B-SI Type ⁽²⁾ : A9Z61240	30 mA B-SI Type: A9Z61425	30 mA B-SI Type: A9Z61440
Under voltage tripping auxiliary	with iC60	A9A26969 (optional)	A9A26969 ⁽³⁾	A9A26969 ⁽³⁾	A9A26969 ⁽³⁾
	with DT40	A9N26969 (optional)	A9N26969 ⁽³⁾	A9N26969 ⁽³⁾	A9N26969 ⁽³⁾
Delayed start					
Relay		With normally open contact			
Temporary current limitation					
Relay		With normally open contact			

Protections and options with Wallbox Plus

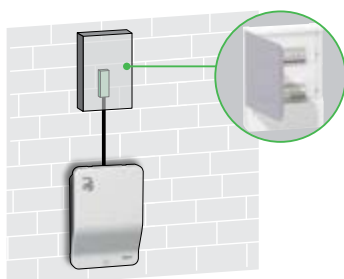
Description					
Charging		Single-phase		Three-phase	
Rated Power - Current		3.7 kW - 16 A	7.4 kW - 32 A	11 kW - 16 A	22 kW - 32 A
Protection					
Circuit breaker (overcurrent) ⁽¹⁾		20 A Curve C	40 A Curve C	20 A Curve C	40 A Curve C
RCD (residual current) ⁽¹⁾		30 mA A-SI Type ⁽²⁾		30 mA A-SI Type ⁽²⁾	
Under voltage tripping auxiliary	with iC60	A9A26969 ⁽⁴⁾	A9A26969 ⁽³⁾⁽⁴⁾	A9A26969 ⁽³⁾⁽⁴⁾	A9A26969 ⁽³⁾⁽⁴⁾
	with DT40	A9N26969 ⁽⁴⁾	A9N26969 ⁽³⁾⁽⁴⁾	A9N26969 ⁽³⁾⁽⁴⁾	A9N26969 ⁽³⁾⁽⁴⁾
Delayed start					
Relay		With normally open contact			
Temporary current limitation					
Relay		With normally open contact			

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

⁽²⁾ In accordance with the electrical installation standard HD 60364-7-722:2016. Refer to local regulation.

⁽³⁾ Necessary to meet EV Ready requirements.

⁽⁴⁾ Mandatory for safety in case of charging station damage further to a short-circuit created by the vehicle.



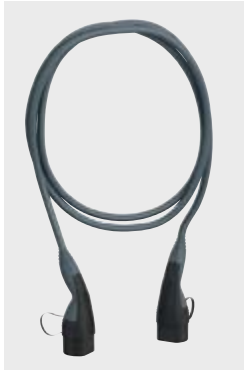
The charging station operates autonomously. It has a dedicated protective device.

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

EVlink Wallbox

Accessory references

EVlink Cable



To connect the car to the charging station. Available with a T1 or T2 connector.

Please refer to page 46

AC charging station testing tool



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

Pedestal mounting pole



Floor standing:
• for 1 Wallbox, Reference **EVP2PBSSG1**
• for 2 Wallbox, Reference **EVP2PBSSG2**
Available 4th quarter of 2020

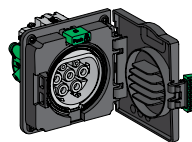
Spare part references

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 one EVP1HLSR: you will receive 1 lock + 2 keys with same code.
- If you order one EVP1HLSS: you will receive 10 locks + 20 keys with same code for all keys.

Attached cable

References

T1 charging connector



16 A single-phase	EVP2CNS161A4
32 A single-phase	EVP2CNS321A4

T2 charging connector



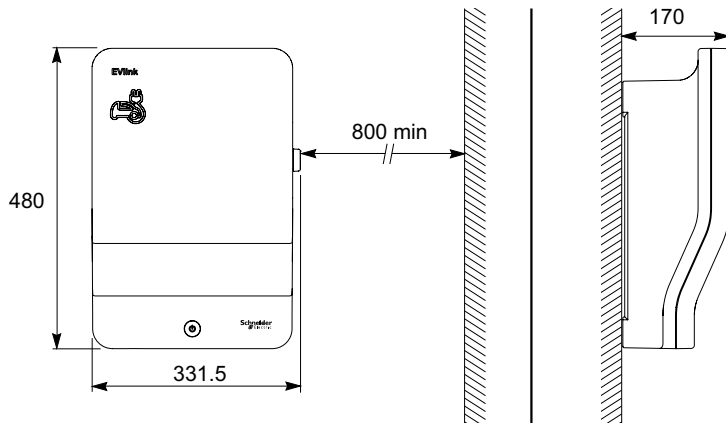
16 A single-phase	EVP2CNS161C4
32 A single-phase	EVP2CNS321C4



16 A three-phase	EVP2CNS163C4
32 A three-phase	EVP2CNS323C4

Practical information

➤ Dimensions (mm)



5.6 kg (Wallbox Standard)
6.3 kg (Wallbox Plus)



7.5 kg (Wallbox Standard with attached cable)
7.9 kg (Wallbox Plus with attached cable)

EcoStruxure™ Facility Expert

Register your charging station and improve your maintenance efficiency now with EcoStruxure™ Facility Expert.

- EcoStruxure™ Facility Expert is a simple, cloud-based tool that helps you organize maintenance records, follow-up on preventive maintenance, access log histories, create reports, and integrate remote alarming from your equipment.
- Let EcoStruxure™ Facility Expert help you optimize your maintenance activities. Download it for free on your PC or for your smart device at the Apple or Google Play store.
- You are ready to flash the product QR code with the EcoStruxure™ Facility Expert reader.



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Additional information for Wallbox Standard

Technical document	Language	References
With socket outlet		
Quick start guide	EN/ES/FR/DE ⁽¹⁾	NHA31789
	IT/NL/PL/PT	NHA31790
Instruction sheet	EN/ES/FR/DE ⁽¹⁾	NHA31778
	IT/NL/PL/PT	NHA31779
	NO/SV/FI	QGH34400
With attached cable		
Quick start guide	EN/ES/FR/DE ⁽¹⁾	NHA31783
	IT/NL/PL/PT	NHA31784
Instruction sheet	EN/ES/FR/DE ⁽¹⁾	NHA31787
	IT/NL/PL/PT	NHA31788
	NO/SV/FI	QGH34396

Additional information for Wallbox Plus

Technical document	Language	References
With socket outlet		
Instruction sheet	EN/FR/DE/NO ⁽¹⁾	PHA92084
	SV/ES/NL/IT	PHA92086
With attached cable		
Instruction sheet	EN/FR/DE/NO ⁽¹⁾	PHA92085
	SV/ES/NL/IT	PHA92087

⁽¹⁾ Delivered with the Wallbox.

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