



Characteristics



Certification

EVlink Home has obtained the test certificate, establishing compliance with the IEC 61851-1 standard.

Standards

EN 61851-1 Ed3.0 (2019)



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

Charging station offer

- Charging power: 3.7 kW - 7.4 kW single-phase and 11 kW three-phase power supply
- Maximum charging current can be adjusted from 6 A to 32 A
- T2 socket outlet with or without shutter
- Attached cable (5m) with T2 connector

Power supply network

- 230V +/- 10% single-phase – 50 Hz +/- 10% for 3.7 and 7.4 kW charging stations
- 400V +/- 10% three-phase – 50 Hz +/- 10% for 11 kW charging stations
- Internal protection: 6 mA DC filter
- Suitable earthing systems: TT, TN-S, TN-C-S

Mechanical and environmental characteristics

- Ingress protection code: IP55 attached cable version; IP54 socket version
- Impact protection code: IK10
- Operating temperature: -30°C to +50°C
- Storage temperature: -40°C to +85°C
- Relative humidity 5% to 95%
- Altitude < 2000 m
- Attached cable length: 5 m for versions supporting it
- Dimension 282*409*148 mm / 11*16*6 in. (without cable)
- Weight: 3.7 – 7.4 kW approx. 4.5 kg / 11 kW approx. 5.6 kg

Easy to install and commission

- Wall mounting

Energy Management

- Exclusive energy management options: real-time maximum charging current control (with the addition of an external anti-tripping system)
- Communication Power Line Carrier with Home Anti-tripping system

Access control modes

- Free access

Services offer

- Worldwide network of installers providing on-site installation and commissioning
- Worldwide customer care center

Charging station references

> EVlink Home



EVH4S03N2

EVlink Home					
References	Number of phases	Type of socket	Power kW	Output current	Embedded protection
With socket outlet					
EVH4S03N2	1PH	T2	3.7	16 A	with 6 mA DC filter
EVH4S07N2	1PH	T2	7.4	32 A	with 6 mA DC filter
EVH4S11N2	3PH	T2	11	16 A	with 6 mA DC filter
T2 with shutters					
EVH4S03N4	1PH	T2S	3.7	16 A	with 6 mA DC filter
EVH4S07N4	1PH	T2S	7.4	32 A	with 6 mA DC filter
EVH4S11N4	3PH	T2S	11	16 A	with 6 mA DC filter
With attached 5 m⁽¹⁾ cable and T2 connector					
EVH4S03NC	1PH	-	3.7	16 A	with 6 mA DC filter
EVH4S07NC	1PH	-	7.4	32 A	with 6 mA DC filter
EVH4S11NC	3PH	-	11	16 A	with 6 mA DC filter

EVlink Home with TIC*					
References	Number of phases	Type of socket	Power kW	Output current	Embedded protection
T2 with shutters					
EVH4S03N400F	1PH	T2S	3.7	16 A	with RDC-DD filter - TIC
EVH4S07N400F	1PH	T2S	7.4	32 A	with RDC-DD filter - TIC
EVH4S11N400F	3PH	T2S	11	16 A	with RDC-DD filter- TIC

For France only : TIC- Anti-tripping module connected to the energy meter (Linky) ; compatible only with the TIC "Historic" mode.

> Protections and options with EVlink Home

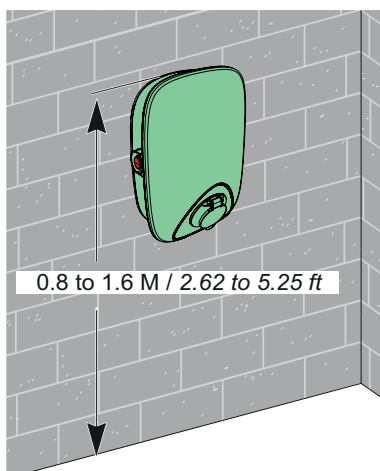
Description	Single-phase		Three-phase
Charging	Single-phase		Three-phase
Rated Power - Current	3.7 kW - 16 A		11 kW - 16 A
Protection	7.4 kW - 32 A		11 kW - 16 A
Circuit breaker (overcurrent) (1)	20 A Curve C	40 A Curve C	20 A Curve C
RCD (residual current) (1)	30 mA A-SI Type (2)	30 mA A-SI Type (2)	30 mA A-SI Type (2)
Under voltage tripping auxiliary (3)(4)	iMNX	iMNX	iMNX

(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)(4) iMNX is mandatory in case of charging station damage following a downstream short circuit.

Practical information



The charging station operates autonomously. It has dedicated protective devices.

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



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- Weight: 3.7 – 7.4 kW approx. 4.5 kg / 11 kW approx. 5.6 kg

Easy to install and commission

- Wall mounting
- eSetup Smart phone commissioning application (to pair with Home network)

Energy Management

- Energy management exclusive options: real-time maximum charging current control (with the addition of an external anti-tripping system)
- Delayed charging and current limitation can also be controlled by supervision or by the home management system (over OCPP)
- Interface with an external MID energy meter for consumption billing

Versatile Connection

- Communication Power Line Carrier with Home Anti tripping system
- OCCP 1.6J to connect to Wiser application
- Wi-Fi and Ethernet RJ45
- RS485 port serial Modbus for external MID meter

Smart Phone application

- Phone application to perform charge scheduling, and monitor charge consumption and the carbon footprint
- Interoperable with Schneider Electric Home Energy Management system to optimize home consumption.

Access control modes

- Free access

Services offer

- Worldwide network of installers providing on-site installation and commissioning
- Worldwide customer care center

Charging station references

> EVlink Home Smart



EVH4A03N2

EVlink Home Smart					
References	Number of phases	Type of socket	Power kW	Output current	Embedded protection
With socket outlet					
EVH4A03N2	1PH	T2	3.7	16 A	with 6 mA DC filter
EVH4A07N2	1PH	T2	7.4	32 A	with 6 mA DC filter
EVH4A11N2	3PH	T2	11	16 A	with 6 mA DC filter
T2 with shutters					
EVH4A03N4	1PH	T2S	3.7	16 A	with 6 mA DC filter
EVH4A07N4	1PH	T2S	7.4	32 A	with 6 mA DC filter
EVH4A11N4	3PH	T2S	11	16 A	with 6 mA DC filter
With attached 5 m ⁽¹⁾ cable and T2 connector					
EVH4A03NC	1PH	-	3.7	16 A	with 6 mA DC filter
EVH4A07NC	1PH	-	7.4	32 A	with 6 mA DC filter
EVH4A11NC	3PH	-	11	16 A	with 6 mA DC filter

EVlink Home Smart with TIC*					
References	Number of phases	Type of socket	Power kW	Output current	Embedded protection
T2 with shutters					
EVH4A03N400F	1PH	T2S	3.7	16 A	with RDC-DD filter - TIC
EVH4A07N400F	1PH	T2S	7.4	32 A	with RDC-DD filter - TIC
EVH4A11N400F	3PH	T2S	11	16 A	with RDC-DD filter - TIC

For France only : TIC- Anti-tripping module connected to the energy meter (Linky) ; compatible only with the TIC "Historic" mode.

> Protection and options with EVlink Home Smart

Description	Single-phase		Three-phase
Charging	Single-phase		Three-phase
Rated Power - Current	3.7 kW - 16 A	7.4 kW - 32 A	11 kW - 16 A
Protection			
Circuit breaker (overcurrent) (1)	20 A Curve C	40 A Curve C	20 A Curve C
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Wiser

> A closer look at the Wiser application for EV owners



Create your own charging experience

Easy to sign up:

- Download Wiser on Appstore and Google Store
- Scan your charger QR code to pair your charger
- Select your car and your DSO

Power Management:

- Adapt charge to available power

Schedule and adapt:

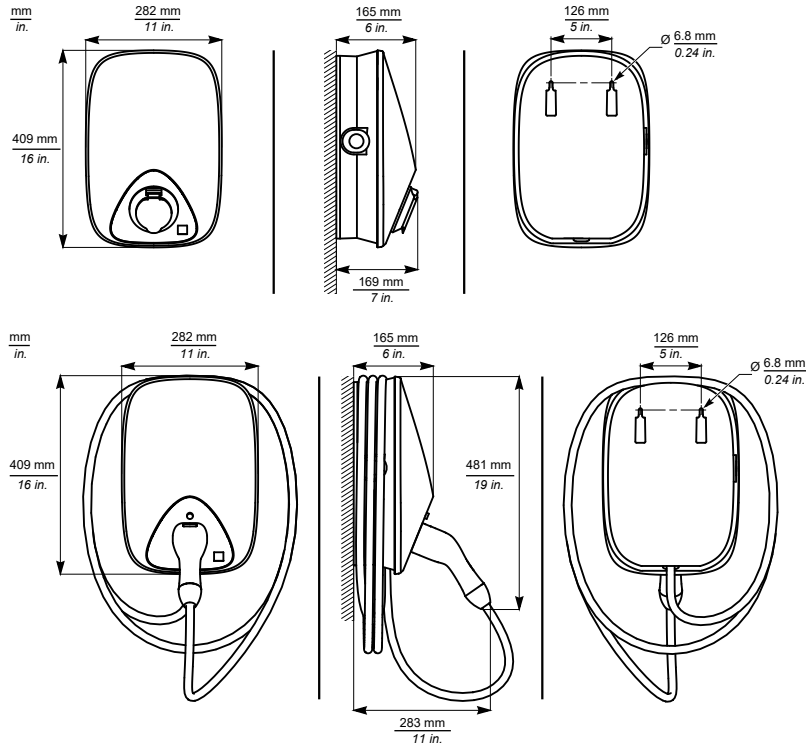
- Plan your charging time
- Adjust your energy mix
- Start the charge, and travel

History:



- Track your charging sessions and better understand the energy consumption related to your EV.

Range accessories



➤ Charging stations dimensions



With socket outlets

- 
≈ 4.5 kg (9.92 lb) - T2/T2S – 3.7 / 7.4 kW
- 
≈ 5.6 kg (12.34 lb) - T2/T2S – 11 kW

With attached cable

- 
≈ 8.8 kg (19.43 lb) – 3.7 / 7.4 kW
- 
≈ 9.9 kg (21.83 lb) – 11 kW

Accessory references

EVlink Cable for T2 and T2S charging station



To connect the car to the charging station. Available in different lengths with a T2 connector.

Please refer to page 44

Additional information

Charging station technical document	Language	References
EVlink Home and EVlink Home Smart User Manual (1)	EN / FR / ES / DE	GEX4292700
EVlink Home anti-tripping system 1P User Manual (1)	EN / FR / ES / DE	JYT9298700
EVlink Home anti-tripping system 3P User Manual (1)	EN / FR / DE	JYT4921902

eSetup is an application for installers and electricians to commission EVlink Home Smart. It helps save time on installation and commissioning: everything can be done with an app and simple interface. Get a charge details report and maintenance report from the app.



(1) Delivered with the product.

Download the above documents on Schneider Electric website.

EVlink™ Home anti-tripping module



Characteristics



1-phase Universal Peak Controller: EVA1HPC1

3-phase Universal Peak Controller: EVA1HPC3

Main function*

- Home Anti-tripping is a power load management system that adapts the power supplied to charge the car continuously, taking home consumption into account.
- The power availability is calculated by the Home Anti-tripping System by comparing the utility power limit and the home consumption gathered by a current transformer positioned on the bottom of the main circuit breaker.

Power supply network and electrical characteristics

- 220/230 V (+/- 10%) 50 Hz (+/- 10%)
- Rated power 4W
- Overvoltage category: III, Pollution degree: 2
- Insulation degree: reinforced insulation

Settings

Possible current value settings:

- 3P: 16A, 20A, 25A, 32A, 40A and 50A
- 1P: 16A, 20A, 25A, 32A, 40A and 50A

Communication

- Communication Power Line Carrier with EVlink Home range charging stations

Mechanical and environmental

- Dimension 70.4 x 93.2 x 68.8 mm
- Weight 196 g
- Mounting type: Top-hat rail mounting
- Nominal temperature -30°C to +50°C

Standards

- EN 61010-1-2010, EN 61326-1-2013

*According to the power available for the electrical installation, especially if the home is equipped with a heat pump. Minimum recommendation: 25A 3P+N.