



Connected Home EV Charging Station

EVlink™ Home Smart

Unique features

The smart charger EVlink Home Smart is connected to the Schneider Electric™ Wiser app. The mobile application for residential energy management enables an easy access to monitor and control their charging experience remotely.

- **User-friendly**
Charge your car without disrupting your lifestyle, keeping your installation running as needed
- **Cost efficient**
Wiser also enables to choose the right time to charge avoiding peak tariffs to optimize energy bill
- **Sustainable**
Charge your car at the right time with the ability to prioritize renewable and cost effective electricity



Works with
Wiser™

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Technical Features

The following table shows the technical characteristics of old and new ranges for comparison.

EVlink Home Smart	
Range	EVlink Home
Product name	EVlink Home Smart
Product type	AC charging station
Device short name	
Pole description	3P + N for power circuit 1P + N for power circuit
Mounting mode	Wall-mounted
(US) rated supply voltage	400 Vac 50 Hz +-10% Three Phase 230 Vac 50 Hz +-10% Single Phase
Nominal output power	11kW 16A (3P +N) 7.4kW 32A (1P +N) 3.7kW 16A (1P +N)
Maximum supply current	32 A 16 A
Maximum power	11kW 16A (3P +N) 7.4kW 32A (1P +N) 3.7kW 16A (1P +N)
Access control system	No
Socket number	1
Socket-outlet type	Front face T2 Socket Front face T2S socket 5 m attached cable
Earthing system	TT TN-S Compatible IT with additional isolation transformer on the power supply
Digital inputs for energy digital input	Yes with TIC protocol (For France Only)
Input type	Possibility to add an Anti-tripping Module EVA1HPC1 (1PH) or EVA1HPC3 (3PH)
Control type	1 red Button, function Stop No action required to start the charge
Local signaling	1 multi-color LED, function: status indication
Communication	OCPP 1.6 for connection to the Schneider Electric Wiser app WIFI connection or Ethernet connection to Home Internet Box
Smart Phone Application	Free Access to WISER (Schneider Electric Home Smart Phone application to manage home devices and energy)
Remote Features	Scheduling Remote Start/Stop Monitoring & History
Metering	In-built microprogrammed Control Unit for measurement: accuracy 1% Modbus connection for external Schneider Electric MID power meter (A9MEM3155/A9MEM2155)

Technical Features (continued)

Technical Characteristics	
Standards	EN 61851-1 Ed3.0 EN 61000-6-1 EN 61000-6-3 IEC 61851-21-2
Product certifications	CE UKCA EV Ready (T2S references only)
IP degree of protection	IP55 conforming to IEC 60529
IK degree of protection	IK10 conforming to IEC 62262
Ambient air temperature for operation	-30...50 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	5...95%
Height	409 mm
Width	282 mm
Depth	148 mm
Net weight	15,6 kg (3PH) 4.5 kg (1PH)

Sustainable offer status	
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration

Offer sustainability		
Mercury free	Yes	Yes
RoHS exemption information	Yes	Yes
Environmental Disclosure	Product Environmental Profile	Yes
Circularity Profile	End of Life Information	Yes

Reference

Commercial Reference	Short Description	Connection	Power	Protection
EVH4A03N2	EVlink Home Smart 1P T2 3.7 kW 16 A - with RDC-DD Filter	T2	3.7 kW	6 mA Filter
EVH4A07N2	EVlink Home Smart 1P T2 7.4 kW 32 A - with RDC-DD Filter	T2	7.4 kW	6 mA Filter
EVH4A11N2	EVlink Home Smart 3P T2 11 kW 16 A - with RDC-DD Filter	T2	11 kW	6 mA Filter
EVH4A03N4	EVlink Home Smart 1P T2S 3.7 kW 16 A - with RDC-DD Filter	T2S	3.7 kW	6 mA Filter
EVH4A07N4	EVlink Home Smart 1P T2S 7.4 kW 32 A - with RDC-DD Filter	T2S	7.4 kW	6 mA Filter
EVH4A11N4	EVlink Home Smart 3P T2S 11 kW 16 A - with RDC-DD Filter	T2S	11 kW	6 mA Filter
EVH4A03N400F	EVlink Home Smart 1P T2S 3.7 kW 16 A - with RDC-DD Filter - TIC	T2S	3.7 kW	6 mA Filter
EVH4A07N400F	EVlink Home Smart 1P T2S 7.4 kW 32 A - with RDC-DD Filter - TIC	T2S	7.4 kW	6 mA Filter
EVH4A11N400F	EVlink Home Smart 3P T2S 11 kW 16 A - with RDC-DD Filter - TIC	T2S	11 kW	6 mA Filter
EVH4A03NC	EVlink Home Smart 1P Attach cable 5 m 3.7 kW 16 A - with RDC-DD Filter	Attached cable 5 m	3.7 kW	6 mA Filter
EVH4A07NC	EVlink Home Smart 1P Attach cable 5 m 7.4 kW 32 A - with RDC-DD Filter	Attached cable 5 m	7.4 kW	6 mA Filter
EVH4A11NC	EVlink Home Smart 3P Attach cable 5 m 11 kW 16 A - with RDC-DD Filter	Attached cable 5 m	11 kW	6 mA Filter

EVlink Anti-tripping system – technical specifications



EVA1HPC3

Home anti tripping system is a **power load management system** to adapt continuously the power delivered by the charger to the EV according to power available at home.

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.

The communication between the Home Anti-tripping system and EVlink Home charger is done with power line communication, so no need to add communication cable.

EVlink Anti-tripping system			
Model		Single Phase	3 Phases
Power input and Internal Protection	Power Supply	220-240 V AC (+/- 10%) 50 Hz (+/- 10%)	400 V AC (+/-10%) 50 Hz (+/-10%)
	Rated Power	4W	5W
	Number of phase	L+N	L1+L2+L3+N
	Network Interface	Power Line communication with EVlink Home charger	
Communication	Polling interval	1000ms	
	Operating Temperature	-30°C / +50°C	
Environmental	Storage Temperature	-40°C / +85°C	
	Humidity	5% - 95% no condensation	
Mechanical	Altitude	≤ 2000 m	
	Ingress Protection	Indoor use	
	Cooling	Natural Cooling	
	Dimension	70*93*69 mm	72*89*75 mm
	Weight	196g	180g
Regulation	Certification	EN 61010-1-2010, EN 61326-1-2013	
Commercial reference		EVA1HPC1	EVA1HPC3

*EVlink anti-tripping system is not compatible with references with TIC function.

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