Unleash the power of smart charging at home

Schneider Charge

Unique features

Schneider Charge is successfully designed for an easy and robust installation and wiring. This smart and sustainable EV charging station can be operated by the Schneider Electric™ Wiser Home App for whole home automation and energy management or by the mobile app of your preference to make the most out of your EV driving experience.

Easy to install

When aesthetic and functionality work together in total harmony, the result is a beautiful, easy to install and use EV charger.

Eco-Smart

Remote-control, real-time insights, solar charging and smart scheduling enable you to avoid peak tariffs and optimize your energy bill.

Robust

Designed for both outdoor and indoor use. It's compliant and certified with the highest industry standards.

Efficient

The load management system (option) allows you to charge your car without overloading and disrupting your power supply.

Easy and robust installation

- Three possible installations: **bottom, top and rear entry wiring**
- Metal **mounting backplate** with **slotted holes** for a quick and robust installation
- **Wall spacer** to ease installations in walls that aren't perfectly straight
- Compatible **with electrical cables up to 10 mm²** cross section
- **Fast connector** for a faster and durable power cabling
- **Captive screws** to avoid loosing screws
- Built in **RCD-DD** to stop the charge when the 6mA DC earth leakage limit is exceeded
- **Ready for VAT** voltage and continuity test

Schneider Charge	
Range	**Schneider Charge**
Product name	Schneider Charge
Product Type	AC charging station
Pole description	3P + N / 1P + N
Mounting mode	Wall-mounted
Rated supply voltage	400 V AC (+/- 10%) 50/60 Hz Three Phase 230 V AC (+/- 10%) 50/60 Hz Single Phase
Nominal output power	11kW 16A (3P +N) 7.4kW 32A (1P +N) 22KW 32A (3P+N)
Cabling	Top, back or bottom cabling
	Built-in fast connector. Ready for voltage test
Embedded protection	RCD-DD 6 mA DC filter
Maximum supply current	32A 16A
Socket-outlet type	1 (only T2S)
Attached cable	Attached cable 5M or 7M with T2 connector
Earthing system	TT,TN-S,TN-C-S, IT/TT without Neutral (230V AC only)
Digital inputs	Digital signal input to be connected to a dry contact iMNX/MNX (not mandatory for Australia or New Zealand)
Load management system	Possibility to connect to an Anti-tripping system EVA2HPC1 (1PH) EVA2HPC3 (3PH)
Local signaling	Front face:1 multi-color LED, function: status indication Side button: led indication for Wifi setting and pairing functionality with anti-tripping system (accessory)
Communication	OCPP 1.6j for connection to the Schneider Electric Wiser Home or to third party apps WIFI connectivity or Ethernet port for connection to the Home router/modem
Smart Phone Application	Yes. Free Access to Wiser Home App (Schneider Electric Home Energy Management app)
Remote Features with Wiser app	Charge scheduling, remote Start/Stop, energy consumption/cost. Monitoring & History Reduce your bill charging your EV with solar
Meetering	Built-in microprogrammed Control Unit for measurement: accuracy 1%
Accessories	Anti-tripping module for load management system Gun Holder for charge cable

Technical Characteristics		
Standards	IEC/EN 61851-1 EN 61000-6-1 EN 61000-6-3 IEC 61851-21-2	
Product certifications	CE RCM Compliant	
IP degree of protection	IP55 conforming to IEC 60529	
IK degree of protection	IK10 conforming to IEC 62262	
Ambient air temperature for operation	T2S socket outlet: (-)35°…45°C (3P 32A) (-)30°…50°C (1P 32A) (-)30°…55°C (3P 16A)	Attached cable with T2 connector: (-)35°…50°C (1P 32A) (-)35°…55 °C (3P 16A)
Storage temperature	-40…85 °C	
Relative humidity	5…95%	
Altitude	≤ 2000 meters	
Height *Width*Depth	Attached cable version: 352*244*107 mm. T2S version: 352*244*117 mm (not include socket flap)	
Net weight	T2S socket outlet: 3,2 KG Attached cable version with T2 connector: 1P+N 5m 4,5 KG / 7m 5,3 KG 3P+N 5m 4,4 KG / 7m 5,1 KG	

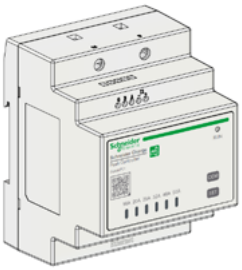
Sustainable offer status	
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration

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

Comercial reference	
EVH5A22N2S	Schneider Charge 7,4/11/22KW 1P/3PN T2S
EVH5A07N2C7	Schneider Charge 7,4KW 1P+N 7M Cable
EVH5A11N2C7	Schneider Charge 11KW 3P+N 7M Cable
EVH5A07N2C5	Schneider Charge 7,4KW 1P+N 5M Cable
EVH5A11N2C5	Schneider Charge 11KW 3P+N 5M Cable
EVA5GH*	Schneider Charge Gun Holder

*Available in Q3 2024

Schneider Charge Anti-tripping system – technical specifications



Schneider Charge anti-tripping module, working in conjunction with a Schneider Charge charging station, forms an intelligent load management system that continuously adapts the charger's power output to the electric vehicle based on the available power in the home.

The power availability is calculated by the load management 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 the Schneider Charge charging station is done with power line communication, so no need to add a communication cable.

Schneider Charge Anti-tripping system		
Model	**Single phase**	**Three phases**
Power supply	TT,TN, IT/TT without Neutral (230 V AC only) 50/60 Hz	TT,TN, IT/TT without Neutral (230 V AC only) 50/60 Hz
Power input	220-240 V AC (+/- 10%) 50/60 Hz	220-240 V AC (+/- 10%) 50/60 Hz
Rated power	4W	5W
Number of phases	L+N	L1+L2+L3+N
Pairing functionality	Pairing functionality between Schneider Charge charging station .Up to 6 sets allow to be used at same time within PLC (Power line communication) function range (200-meter power cable length)	
Network interface Communication	Power Line communication with Schneider Charge charging station.	
Polling interval	1000ms	
Photovoltaic application	Continuously adapts the charging power taking home consumption and self-generated energy (PV, wind, storage...) into account	
Operating temperature	-30°C / +50°C	
Storage temperature	-40°C / +85°C	
Humidity	5% - 95% no condensation	
Altitude	≤ 2000 m	
Ingress protection Mechanical	Indoor use	
Cooling	Natural Cooling	
Dimensions	70*93*69 mm	72*89*75 mm
Weight	196g	180g
Regulation certification	EN 61010-1, EN 61326-1 RCM Compliant	
Rating	High rating: 32A to 100A	Low rating: 16A to 50A

Comercial reference	
EVA2HPC1	Schneider Charge Anti-tripping system 1P High Rating 32A to 100A
EVA2HPC3	Schneider Charge Anti-tripping system 3P 16A to 50A

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