A complete solution optimizing comfort, billing and EV charging for resident

Schneider Charge Pro

Unique features

Adequate
Just enough features like
- Authentication
- Metering
- Communication
- Load management
- Anti-tripping module

Easiness
- Quick installation
- Simplified commissioning
- Effortless operation

Robustness
- 100% factory tested
- Certified versus latest standards

Interoperability
- Load management system
- 3rd party Charging Station Management System
- External Smart meter

Sustainability
- Environmental Data Program
- Repairability

Benefits

Schneider Electric launches a new cost effective solution, Schneider Charge Pro, made for **corporate car electrification at home** and charging infrastructure deployment at **apartment building**

Our new robust and open solution enables :
- Simplified home reimbursement
- Comfort for residents
- Little to no power supply disruption
- Management multiple EV loads in real time

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Characteristics

Main	
Range	Schneider Charge Pro
Product name	AC Charging station up to 22 kW
Device short name	EVB4
Poles description	1P 3P
Mounting mode	Wall-mounted Pedestal (to be ordered separately)
Type of installation	Indoor/outdoor
Nominal output power (configurable)	7.4kW 32A 230V 11kW 16A 400V 22kW 32A 400V
Socket number	1
Output type	Socket-outlet T2 with shutter 7 m attached cable with T2
Access control system	Free access RFID authentication card MIFARE DESFire EV1 RFID authentication card MIFARE DESFire EV2 RFID authentication card MIFARE
Quantity per set	2 badges
Complementary	
Provided equipment	1 residual direct current detection device (RDC-DD) integrated 1 Wi-Fi module integrated (only works with 2,4 GHz) 2 Ethernet interface module integrated 1 contact for auxiliary iMNx available
MID energy meter	Integrated in some versions
4G modem	Integrated in some versions
Rated supply voltage	220…240 V AC 50/60 HZ +/- 10 % 380…415 V AC 50/60 HZ +/- 10%
Earthing system	TT TN-S TN-C IT only between 220 VAC and 240 VAC
Number of inputs	2
Input type	Auxiliary for dynamic energy management (DSO) French electronic TIC electricity meter for dynamic energy management (T2S version only)
Control type	1 white push-button
Dynamic energy management	Anti-tripping module connected trough PLC

Local signaling	On charge: LED (blue) Error: LED (red) Available: LED (green) Start: LED (white) Reserved: LED (orange)
Height	418 mm
Width	292 mm
Depth	119 mm (attached cable version) 136 mm (T2S version)
Net weight	7.4 kg (attached cable version) 4.3 kg (T2S version)
Colour	Black (RAL 9005)
Standards	EN/IEC 61851-1 EN/IEC 61439-7 IEC 62955 EN/IEC 61851-21-2 EN/IEC 61000-6-1 EN/IEC 61000-6-2 EN/IEC 61000-6-3 EN/IEC 61000-6-4 EN 301489-1 EN 301489-3 EN 301489-17 EN 301-489-52 EN 300328 EN 300330 ETSI EN 301 511 EN 301-908-1 EN 301-908-2 ETSI EN 301 908-13 EN/IEC 62311
Product certifications	CE EV Ready 2.0A
Maximum supply current	32 A
Communication network type	Wi-Fi Ethernet TCP/IP 4G Modbus RS485 Master ISO15118 HW Ready
Communication port protocole	OCPP 1.6J, for connection to CPO, and Charging Station Management System and EcoStruxure EV Charging Expert
Communication service	JSON smart charging

Operating Conditions

IK degree of protection	IK10
IP degree of protection	IP55
Ambient air temperature for operation	-30 to +50 °C
Ambient air temperature for storage	-40 to +85 °C
Relative humidity	5 - 95%
Operating altitude	0 - 2000m

Packaging information

Packaging for 1 unit	
Number of Units in Package	1
Package Height	29.8 cm (attached cable version) 21 cm (T2S version)
Package Width	29.8 cm (attached cable version) 38.8 cm (T2S version)
Package Length	58.9 cm (attached cable version) 58.5 cm (T2S version)
Package Weight	10.7 kg (attached cable version) 7.1 kg (T2S version)
Packaging for 1 pallet	
Number of Units in pallet	12 (attached cable version) 16 (T2S version)
Package Height	103,5 cm
Package Width	80 cm
Package Length	120 cm
Package Weight	140.4 kg (attached cable version) 125.6 kg (T2S version)

Offer Sustainability

Environmental Data Program	
EU RoHS Directive	Compliant with Exemptions [EL2010/571/EU]6(c)
Mercury Free	Yes
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP2410035_V1
Circularity Profile	ENVEOLI2410035_V1
Waste from Electrical and Electronic Equipment (WEEE)	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Carbon footprint	0.2 (kg.eq.CO2 per CR, Total Life cycle)
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Charging station part numbers and embedded protection devices

Part number	Type of socket	Power kW	Current output	Number of phases*	Embedded protection	Embedded 4G modem	Embedded energy meter
EVB4S22N40	T2S	22	32A	1 or 3 PH	RDC-DD 6 mA	No	No
EVB4S22N40M	T2S	22	32A	1 or 3 PH	RDC-DD 6 mA	No	Yes
EVB4S22N40G	T2S	22	32A	1 or 3 PH	RDC-DD 6 mA	Yes	No
EVB4S22N40MG	T2S	22	32A	1 or 3 PH	RDC-DD 6 mA	Yes	Yes
EVB4S22NC0	ATC	22	32A	1 or 3 PH	RDC-DD 6 mA	No	No
EVB4S22NC0M	ATC	22	32A	1 or 3 PH	RDC-DD 6 mA	No	Yes
EVB4S22NC0G	ATC	22	32A	1 or 3 PH	RDC-DD 6 mA	Yes	No
EVB4S22NC0MG	ATC	22	32A	1 or 3 PH	RDC-DD 6 mA	Yes	Yes

*Configurable

Accessories

Accessories	References
Pedestal for 1 Schneider Charge Pro : H 1213 x W 262 x D 229 mm	EVA2PBS1
Pedestal for 2 Schneider Charge Pro : H 1213 x W 262 x D 229 mm	EVA2PBS2
Plate to convert the pedestal for 1 charger to a pedestal for 2 chargers	EVA2PCS2
Cable holder	EVA5GH
10 RFID badges	EVP1BNS
Anti-tripping 1P – up to 100 A	EVA2HPC1
Anti-tripping 1P – up to 50 A	EVA4HPC1
Anti-tripping 3P – up to 50 A	EVA2HPC3
PTE6 1P – up to 80 A	R9M80X6M
PTE6 3P – up to 80 A	R9MUX6M
Compatible with EcoStruxure EV Charging Expert for multifamily home	HMIBSCEA53D1EM30

Charging cable T2 + T2

References	no. of phases		Charging power accepted (kW)				Cable length
	1	3	3.7	7.4	11	22	(m)
EVP1CNS32122	●		●	●			5
EVP1CNL32122	●		●	●			7
EVP1CNX32122	●		●	●			10
EVP1CNS32322		●	●	●	●	●	5
EVP1CNL32322		●	●	●	●	●	7
EVP1CNX32322		●	●	●	●	●	10

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