Optimized and affordable charging for efficient buildings

EVlink™ Pro AC Lite

Unique features

User-friendly

Simple and intuitive to:

- Purchase
- Install
- Commission
- Use
- Operate
- Maintain

Advanced connectivity

- Mobile apps for commissioning
- Remote monitoring
- Smart charging
- OCPP 1.6 Json
- Modbus

Reliability and safety

- Robust products:
  – 100% tested and certified
  – Compliant with strict standards (ISO, IEC, etc.)
- RDC-DD (6 mA DC) embedded in the charger

Flexibility

- Scalable
- Interoperable
- Modular
- Customizable look & feel

Sustainability

- Green Premium™ label
- Repairability

Benefits

- Schneider Electric™ launches a cost effective version of the EVlink Pro AC, the new generation of charging stations for EV, for markets like Fleet @Home, commercial and industrial Buildings.

- EVlink Pro AC Lite:

  – Enables highly reliable, embedded v optimized, flexible and sustainable smart charging for multifamily housing and buildings of the future
  – Optimizes energy consumption
  – Maximizes uptime and efficiency
  – Ensures a seamless user experience for EV installers, operators and drivers

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Characteristics

Characteristics	
Range	EVlink
Product name	EVlink Pro AC
Product type	AC charging station
Device short name	EVB3
Power supply	3P + N for power circuit 1P + N for power circuit
Mounting mode	Wall-mounted On a pedestal
In a metallic enclosure	Wall-mounted or floor-standing
(Us) rated supply voltage	380…415 V AC 50/60 Hz power circuit 220...240 V AC 50/60 Hz control circuit
Nominal output power	22 kW 380…415 V 7.4 kW 220…240 V

Access control system	NFC 13,56 MHz reader compatible with type 1, 2, 4 and 5 badges
	RFID reader:
	   – In conformity with ISO/CEI 14443 A & B and ISO/CEI 15693 protocols
	   – Compatible with Mifare Ultralight, Mifare Classic, Mifare Plus

Socket number	1
Output type	Front side T2 with shutter socket-outlet/silver plated contacts Domestic socket TE or TF
Earthing system	TT TN-S Compatible IT on 1-phase Compatible IT with additional isolation transformer on the 3-phase power supply
Digital inputs	1 for temporary current limitation 1 for postponed/suspended charge 1 for EV presence detection
Local signaling	1 multi-colour LED for status indication
Communication port protocol	OCPP 1.6 Json smart charging
Network connection embedded	Bluetooth Ethernet 2 ports (1 for daisy chain) Modbus serial
3rd party network connection	OCPP 1.6 Json Modbus TCP
Network connection in option	Wireless 3G/4G modem* Wifi*
Available functions	Charging detail record Load management Diagnosis capabilities User authentification Software updates 1% metering
Operating mode	Standalone Clustered architecture

* To check availability, please contact Schneider Electric front offices.

Charging station with part numbers of embedded protection devices

Part number	Type of socket	Domestic socket	Power kW	Current output	Number of phases	Embedded protection	Embedded energy meter
EVB3S07N41	T2S		7.4	32 A	1 PH	RDC-DD 6 mA	No
EVB3S07N4E1	T2S	TE	7.4	32 A	1 PH	RDC-DD 6 mA	No
EVB3S22N41	T2S		22	32 A	3 PH	RDC-DD 6 mA	No
EVB3S22N4E1	T2S	TE	22	32 A	3 PH	RDC-DD 6 mA	No

Technical data

Technical data	
Standard compliance	IEC/EN 61851-1 Ed 3.0 IEC/EN 62196-1 Ed 2.0 - IEC/EN 62196-2 Ed 1.0 EN 61000-6-2: 2019 EN 61000-6-3:2007 + A1:2011 IEC 60884-1 and NF-C 61314
Product certifications	CE EV Ready
IP degree of protection	IP55 with T2S socket IP54 with domestic socket
IK degree of shock protection	IK10
Ambient air temperature for operation	-30…50°C (+45 °C for EVB3S22N41 & EVB3S22N4E1)
Ambient air temperature for storage	-40…80 °C
Operating altitude	2,000 m without physical derating
Relative humidity	5…95 %
Metering accuracy	1% metering accuracy
Charging station material	Polycarbonate UV treated
Pedestal material	Alu 5754 with zinc phosphate pre-treatment
Off-load charging station consumption	< 10 W
Charging station height	529 mm/21 in.
Pedestal height	1,300 mm/51 in.
Charging station width	317 mm/12.5 in.
Pedestal width	285 mm/11 in.
TS2 charging station depth	153 mm/6 in.
TS2 charging station + domestic socket depth	158 mm/6 in.
1 charging station + pedestal depth	229 mm/9in.
2 charging stations + pedestal depth	384 mm/15 in.
Charging station net weight	7.5 kg/16.5 lb.
Pedestal net weight	5 kg/11 lb.
Charging station colour	Dark grey RAL 7016 Black RAL 9005 White RAL 9003
Pedestal colour	Dark grey RAL 7016
Environment class of operating charging station according to IEC/EN 60721-3-4	Biological conditions - 4B1 Chemically active substances - 4C2 Salt mist - 148 hours/6 days for outdoor Ka test (continuous)

EVlink accessories

Accessories	References
3G/4G modem with antenna*	EVA1MM
Wifi module*	EVA1MW
Historical and Standard TIC module for Dynamic Energy Management, connected to French utility Linky smart meter	EVA1MTH
ISO15118 module*	EVA1M8
10 RFID badges	EVP1BNS
Pedestal for 1 charging station	EVA1PBS1
Pedestal for 2 charging stations	EVA1PBS2
Plate to convert Pedestal for 1 charging station to Pedestal for 2 charging stations	EVA1PCS2
EVlink AC charging station testing tool	EVA1SADS
* To check availability, please contact Schneider Electric front offices.	

Green Premium™

Offer sustainability	
Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant
Mercury free	Yes
RoHS exemption information	Yes
Environmental disclosure	Product Environmental Profile
Circulatory profile	End Of Life Information
REACh Regulation	Compliant

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