SolarEdge Home EV Charger

For Europe

3 YEAR WARRANTY

Residential EV charging solution that seamlessly integrates with the full SolarEdge ecosystem

/ Mode 3 charging station, with up to 32A (22kW) charging power

/ Suitable for single and three phase installations, for both indoor and outdoor use

/ Utilizes excess PV to charge EV's from the sun, for reduced homeowner electricity bills*

/ Control and monitoring via the mySolarEdge app, including remote operations, smart scheduling and charging history

/ Part of the all-in-one SolarEdge residential platform, incorporating PV, battery storage, smart home devices and EV charging

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/ Integrated optional RFID card authentication and MID meter

/ OCPP compatible*

/ Includes an integrated 6m EV charging cable with Type 2 connector

* Expected availability in 2022 via software upgrade

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	SE-EVK22Cxx-01		
SPECIFICATIONS			
Rated AC Power Output	4.6 / 7.4 / 11 / 22		kW
Rated Current (configurable)	10 / 13 / 16 / 20 / 25 / 32 Single Phase or Three Phase		A
Nominal AC Output Voltage	3 x 230 / 400		V
Line Frequency	50		Hz
Mains Forms	TT / TN / IT		
Internal Consumption	Idle: 4, plugged in: 5, charging: 7		W
Charge Mode	Mode 3 in accordance with IEC 61851-1 AC charging		
Over-Voltage Category	III in accordance with EN 60664		
Protection Class	IP54		
Protection Against Mechanical Impact	IK08		
Rated Short-Circuit Current	< 10 (effective value in accordance with EN 61439-1)		kA
Residual Direct Current Detecting Device (RDC-DD)	> 6 (characteristic in accordance with IEC 62955, < 10 s)		mA
Ventilation	No		
AC TERMINALS			
Cable Feed	Top (surface), back side (flush)		
Type	Spring-type terminal		
Cross Section	Rigid / flexible	0.2 – 16	mm²
	Flexible with wire end sleeve with / without plastic sleeve	0.25 – 10	mm²
Stripping Length	12		mm
Connection Cross-section of the Supply	Suggested Minimum cross-section		
	16 A rated current	5 x 2.5	mm²
	32 A nominal current	5 x 6.0	mm²
Temperature Rating	105		°C
CABLE / SOCKET			
Cable Versions	Type 2 cable: up to 32 A / 400 V AC in accordance with EN 62196-1 and VDE-AR-E 2623-2-2		
AMBIENT CONDITIONS			
Installation Environment	Indoor and outdoor		
Operating Temperature @16 A	-25 to +50 (without direct sunlight)		°C
Operating Temperature @32 A	-25 to +40 (without direct sunlight)		°C
Storage Temperature	-25 to +80		°C
Relative Air Humidity	5 to 95 (non-condensing)		%
Altitude	Max. 2000 above sea level		m
ETHERNET INTERFACE			
Ethernet 1	LSA+® terminals		
Data Transfer Rate	10 / 100 / 1000 Mbit/s		
Ethernet 2	RJ45 (for debug)		
WLAN/WI-FI			
Type	IEEE 802.11 b,g,n, 2.4 GHz		
Supported Modes	AP Ad-hoc-Mode, Client Mode Frequency 2400-2483.5 MHz, EIRP ≤ 20 dBm		
OPTIONS			
RFID Card	MIFARE card /tag according to ISO 14443 or ISO 15693 Frequency 13.553-13.567 MHz, EIRP ≤ -7 dBm		
OCPP Backend	SolarEdge OCPP pre-configured		
CERTIFICATIONS			
CE Declaration of Conformity	Yes		
MID	Optional, Accuracy Class B (according to EN 50470-1 / -3)		
DIMENSIONS AND WEIGHT			
Height / Width / Depth	643 / 240 / 142		mm
Weight	7.8		kg

CE **RoHS**