

SolarEdge EV Charger For Europe

SMART ENERGY



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 home platform, incorporating PV, battery storage, smart home devices and EV charging
- Integrated optional RFID card authentication and MID/ME meter
- OCPP compatible*
- Includes an integrated 6m EV charging cable with Type 2 connector or Type 2 socket

* Expected availability in 2022 via software upgrade

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/ SolarEdge EV Charger, for Europe

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	IK10	
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	mm ²
	Flexible with wire end sleeve with / without plastic sleeve	0.25 – 10	mm ²
Stripping Length		12	mm
Suggested minimum cross-section of supply cable	16 A rated current	5 x 2.5	mm ²
	32 A nominal current	5 x 6.0	mm ²
Temperature Rating		105	°C

CABLE / SOCKET		
Type	Type 2: up to 32 A / 400 V AC in accordance with EN 62196-1 and VDE-AR-E 2623-2-2	
Cable Length (for variants with cable)	6	m

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

COMMUNICATION INTERFACE		
Ethernet 1	LSA+® terminals	
Data Transfer Rate	10 / 100	Mbit/s
Ethernet 2	RJ45 alternative to Ethernet 1	
WLAN/Wi-Fi	IEEE 802.11 b,g,n, 2.4 GHz	
WLAN/Wi-Fi Supported Modes	AP Ad-hoc-Mode, Client Mode Frequency 2400-2483.5 MHz, EIRP ≤ 20 dBm	

ADDITIONAL CAPABILITIES		
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	

STANDARD COMPLIANCE		
CE Declaration of Conformity	Yes	
MID	Optional, Accuracy Class B (according to EN 50470-1 / -3)	
ME (Eichrecht)	Optional, National approval for auxiliary device	

DIMENSIONS AND WEIGHT		
Height (Cable / Socket), Width, Depth	643 / 495, 240, 142	mm
Weight (Cable / Socket)	7.8 / 5	kg

ORDERING INFORMATION	
PART NUMBERS	DESCRIPTION
SE-EVK22C00-01	SolarEdge EV Charger, 22 kW, 6m Cable, Type 2
SE-EVK22CRM-01	SolarEdge EV Charger, 22 kW, 6m Cable, Type 2, RFID, MID
SE-EVK22SRM-01	SolarEdge EV Charger, 22 kW, Socket, Type 2, RFID, MID
SE-EVK22SRG-01	SolarEdge EV Charger, 22 kW, Socket, Type 2, RFID, ME
SE-ACCRF10-01	Kit of 10 SolarEdge RFID cards