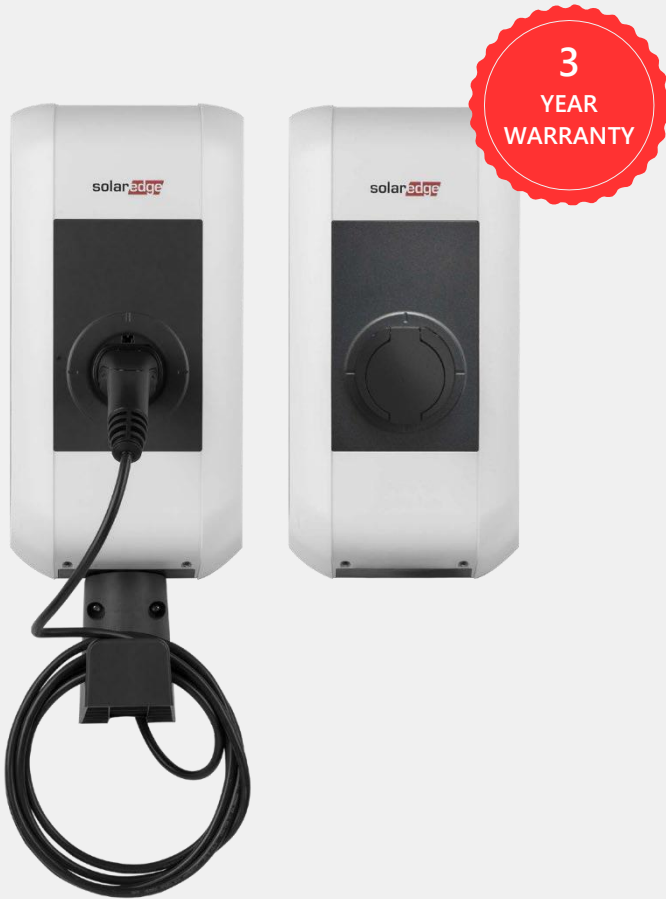


# SolarEdge EV Charger

## For Europe

SMART ENERGY



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

- Utilizes excess PV to charge EV from the sun, for reduced homeowner electricity bills
- Suitable for single and three phase installations, for both indoor and outdoor use
- Enables smart charging when the rates are low, including at night or during a power outage\*
- Control and monitoring via the mySolarEdge app, including remote operations, charging schedules, and charging history
- OCPP compatible
- Integrated optional RFID card authentication and MID meter

\* Backup applications are subject to local regulations and require connection with SolarEdge Home backup supporting inverter and battery

# / SolarEdge EV Charger

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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		
Compatible Inverters	SetApp-enabled inverters		
AC TERMINALS			
Cable Feed	Top (surface); back side (flush)		
Type	Spring-type terminal		
Cross-section	Rigid / flexible	0.2 – 16	mm <sup>2</sup>
	Flexible with wire end sleeve with / without plastic sleeve	0.25 – 10	mm <sup>2</sup>
Stripping Length	12		mm
Connection Cross-section of the Supply	Suggested minimum cross-section:		
	16 A rated current	5 x 2.5	mm <sup>2</sup>
32 A nominal current	5 x 6.0	mm <sup>2</sup>	
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)		
DIMENSIONS AND WEIGHT			
Height (Cable / Socket), Width, Depth	643 / 495, 240, 142		mm
Weight (Cable / Socket)	7.8 / 5		kg
ORDERING INFORMATION			
PART NUMBER	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-ACCRF10-01	Kit of 10 SolarEdge RFID cards		