

SolarEdge EV Charger

For Australia and New Zealand



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

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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	
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			
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		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 x Width x Depth		643 x 240 x 142	mm
Weight		7.8	kg

ORDERING INFORMATION	
PART NUMBER	DESCRIPTION
SE-EVK22CRM-01	SolarEdge EV Charger, 22 kW, 6m Cable, Type 2, RFID, MID
SE-ACCRF10-01	Kit of 10 SolarEdge RFID cards