## SolarEdge Home EV Charger For Europe



## SMART ENERGY

## 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
- OCPP compatible with integrated optional RFID card authentication
- Includes an integrated 6m EV charging cable with Type 2 connector



<sup>\*</sup> Requires future software update

## / SolarEdge Home EV Charger For Europe

		SE-EVK22Cxx-01	
SPECIFICATIONS			
Rated AC Power Output		4.6/7.4/11/22	kW
Dated Current (configurable)		10/13/16/20/25/32	
Rated Current (configurable)  Nominal AC Output Voltage		Single Phase or Three Phase	А
		3×230/400	V
Line Frequency		50	Hz
Mains Forms		TT/TN/IT	112
nternal Consumption		Idle: 4, plugged in: 5, charging: 7	W
Charge Mode		Mode 3 in accordance with IEC 61851-1 AC charging	***
Over-Voltage Category		Ill in accordance with EN 60664	
Protection Class		IP54	
Protection Against Mechanical Impact			
	трасс	IK08	
Rated Short-Circuit Current  Residual Disect Current Potentina Pouline (RDC DD)		< 10 (effective value in accordance with EN 61439-1)	k.A
Residual Direct Current Detecting Device (RDC-DD)		> 6 (characteristic in accordance with IEC 62955, < 10 s)	m.A
/entilation		No	
AC TERMINALS			1
Cable Feed		Top (surface), back side (flush)	
Туре		Spring-type terminal	
Cross Section Stripping Length	Rigid / flexible	0.2 – 16	mm
	Flexible with wire end sleeve with /	0.25 – 10	mm
	without plastic sleeve	12	
		12 Suggested Minimum cross-section	mr
Connection Cross-section of the Supply  Temperature Rating	16 A rated current	5 x 2.5	mn
	32 A nominal current		
	32 A nominal current	5×6.0 105	mn °C
		Type 2 cable: up to 32 A / 400 V AC in accordance with EN 62196-1 and VDE-AR-E 2623-	2-2
AMBIENT CONDITION	ONS	Type 2 cable: up to 32 A / 400 V AC in accordance with EN 62196-1 and VDE-AR-E 2623-	2-2
	ONS	Type 2 cable: up to 32 A / 400 V AC in accordance with EN 62196-1 and VDE-AR-E 2623-	2-2
AMBIENT CONDITION  Installation Environment  Operating Temperature @16 A	ONS	Indoor and outdoor	
nstallation Environment  Operating Temperature @16 A		Indoor and outdoor -25 to +50 (without direct sunlight)	°(
nstallation Environment Operating Temperature @16 A Operating Temperature @32 A		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)	°(
nstallation Environment Operating Temperature @16 A Operating Temperature @32 A Storage Temperature		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80	°(
nstallation Environment Operating Temperature @16 A Operating Temperature @32 A Storage Temperature Relative Air Humidity		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)	°(c
nstallation Environment Operating Temperature @16 A Operating Temperature @32 A Storage Temperature Relative Air Humidity Altitude		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)	°(c
nstallation Environment Deparating Temperature @16 A Deparating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level	°(c °(c %)
nstallation Environment Operating Temperature @16 A Operating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals	°(c °(c %)
nstallation Environment Operating Temperature @16 A Operating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s	°C
nstallation Environment Operating Temperature @16 A Operating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals	2-2 °C °C °C %
nstallation Environment		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s	°C
Installation Environment Deparating Temperature @16 A Deparating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2 WLAN/WI-FI		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s	°(c °(c %)
nstallation Environment Deperating Temperature @16 A Deperating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2 WLAN/WI-FI Type		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz  AP Ad-hoc-Mode, Client Mode	°(c
Installation Environment Deparating Temperature @16 A Deparating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2 WLAN/WI-FI Type Supported Modes		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz	°C
Installation Environment Deparating Temperature @16 A Deparating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2 WLAN/WI-FI Type Supported Modes		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz  AP Ad-hoc-Mode, Client Mode Frequency 2400-2483.5 MHz, EIRP ≤ 20 dBm	°C
Installation Environment Deperating Temperature @16 A Deperating Temperature @32 A Deperating Temperature @32 A Deperating Temperature Relative Air Humidity Altitude  ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2  WLAN/WI-FI Type Supported Modes  DPTIONS		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz  AP Ad-hoc-Mode, Client Mode	°(c
Installation Environment Deparating Temperature @16 A Deparating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2 WLAN/WI-FI Type Supported Modes  OPTIONS REID Card		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz  AP Ad-hoc-Mode, Client Mode Frequency 2400-2483.5 MHz, EIRP ≤ 20 dBm	°(c
Installation Environment Deparating Temperature @16 A Deparating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2 WLAN/WI-FI Type Supported Modes DPTIONS RFID Card DCPP Backend		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz  AP Ad-hoc-Mode, Client Mode Frequency 2400-2483.5 MHz, EIRP ≤ 20 dBm  MIFARE card / tag according to ISO 14443 or ISO 15693 Frequency 13.553-13.567 MHz, EIRP ≤ -7 dBm	°( °( %
Installation Environment Operating Temperature @16 A Operating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Othernet 1 Other Transfer Rate Othernet 2 WLAN/WI-FI Type Supported Modes OPTIONS RFID Card OCPP Backend CERTIFICATIONS		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz  AP Ad-hoc-Mode, Client Mode Frequency 2400-2483.5 MHz, EIRP ≤ 20 dBm  MIFARE card / tag according to ISO 14443 or ISO 15693 Frequency 13.553-13.567 MHz, EIRP ≤ -7 dBm  SolarEdge OCPP pre-configured	°( °( %
Installation Environment Operating Temperature @16 A Operating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Oata Transfer Rate Ethernet 2 WLAN/WI-FI Type Supported Modes OPTIONS RFID Card OCPP Backend CERTIFICATIONS CE Declaration of Conformity		Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz  AP Ad-hoc-Mode, Client Mode Frequency 2400-2483.5 MHz, EIRP ≤ 20 dBm  MIFARE card / tag according to ISO 14443 or ISO 15693 Frequency 13.553-13.567 MHz, EIRP ≤ -7 dBm  SolarEdge OCPP pre-configured	°(c °(c %)
Installation Environment Deparating Temperature @16 A Deparating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2 WLAN/WI-FI Type Supported Modes DPTIONS RFID Card DCPP Backend CERTIFICATIONS LE Declaration of Conformity MID	CE	Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz  AP Ad-hoc-Mode, Client Mode Frequency 2400-2483.5 MHz, EIRP ≤ 20 dBm  MIFARE card / tag according to ISO 14443 or ISO 15693 Frequency 13.553-13.567 MHz, EIRP ≤ -7 dBm  SolarEdge OCPP pre-configured	°(c °(c %)
nstallation Environment Operating Temperature @16 A Operating Temperature @32 A Storage Temperature Relative Air Humidity Altitude ETHERNET INTERFA Ethernet 1 Data Transfer Rate Ethernet 2	CE	Indoor and outdoor  -25 to +50 (without direct sunlight)  -25 to +40 (without direct sunlight)  -25 to +80  5 to 95 (non-condensing)  Max. 2000 above sea level  LSA+® terminals  10 / 100 / 1000 Mbit/s  RJ45 (for debug)  IEEE 802.11 b,g,n, 2.4 GHz  AP Ad-hoc-Mode, Client Mode Frequency 2400-2483.5 MHz, EIRP ≤ 20 dBm  MIFARE card / tag according to ISO 14443 or ISO 15693 Frequency 13.553-13.567 MHz, EIRP ≤ -7 dBm  SolarEdge OCPP pre-configured	°(c