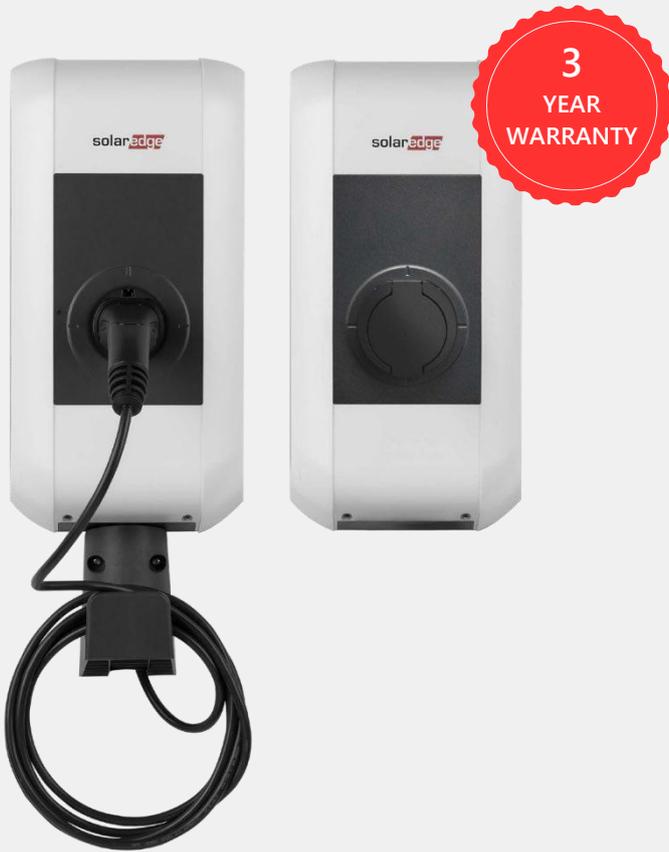


# SolarEdge EV Charger

## For United Kingdom

SE-EVK74C00-01 / SE-EVK22URM-01



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
- Charge smarter with our custom scheduling feature, allowing automatic charging during low-rate periods, including at night or during a power outage
- Suitable for single and three phase installations, for both indoor and outdoor use
- Control and monitoring via the mySolarEdge app, including remote operations, charging schedules, and charging history
- G-100 compliant
- Tamper protected – designed to detect and alert about any tamper attempts
- Integrated optional RFID card authentication and MID meter\*

\* Only available in SolarEdge EV Charger for Three Phase systems, PN SE-EVK22URM-01.

# / SolarEdge EV Charger

## For United Kingdom

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SE-EVK74C00-01

SE-EVK22URM-01

SPECIFICATIONS			
Rated AC Power Output	Up to 7.4kW	Single Phase: Up to 7.4kW Three Phase: Up to 22kW	kW
Rated Current (configurable)	Single Phase: 10 / 13 / 16 / 20 / 25 / 32	Single Phase and Three Phase: 10 / 13 / 16 / 20 / 25 / 32	A
Nominal AC Output Voltage	230	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	All SetApp-enabled residential inverters up to SE15K, excluding the Single Phase Inverter with Compact Technology		
Maximum Device Pairing Capacity	1		
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		
Tamper Protection	SolarEdge Tampering Alert System		
STANDARD COMPLIANCE			
UKCA	Yes		
MID	-		Accuracy Class B (according to EN 50470-1 /-3, CE)
G100 Issue 2 Amendment 2	Yes, with SolarEdge PV inverter <sup>(1)</sup> and Energy Meter or Backup Interface		
DIMENSIONS AND WEIGHT			
Height (Cable / Socket) X Width X Depth	643 / 495 X 240 X 142		mm
Weight (Cable / Socket)	7.8 / 5		kg

(1) All SetApp-enabled residential inverters up to SE15K, excluding the Single Phase Inverter with Compact Technology.

ORDERING INFORMATION	
PART NUMBER	DESCRIPTION
SE-EVK74C00-01	SolarEdge EV Charger, 7.4 kW, 1 phase, 6m Cable, Type 2, UKCA
SE-EVK22URM-01	SolarEdge EV Charger, 22 kw, Socket, RFID, MID, UKCA