

S1-EV1P7K-S, S1-EV3P22K-S

Solis EV Charger

Features:

- Supports various charging modes, including PV priority, scheduled charging, and price charging
- Supports load balancing, reducing reliance on grid energy
- Supports three charging authentication modes: card swipe, Bluetooth, and WiFi
- Compatible with all brands of electric vehicles
- Installation takes less than 15 minutes and supports wireless maintenance
- Imported Nord Pool pricing to schedule charging at the lowest price point

Models:

S1-EV1P7K-S

S1-EV3P22K-S



DATASHEET

S1-EV1P7K-S, S1-EV3P22K-S

Models	1P7K	3P22K
AC Input and Output		
Charge power (adjustable)	1.4~7.4 kW	1.4~22 kW
Rated voltage	230 V	400 V
Rated grid frequency	50 Hz / 60 Hz ± 1 Hz	
Max. current	32 A	
Charge connector	Type 2 tethered cable (7.3m) or type 2 socket (S-Socket, C-Cable)	
Number of charge connector	1	
Cable cross-section	Up to 10 mm ²	
Grid type	TN/TT/IT	TN/TT
Protection Devices		
Integrated fault detection	6 mA DC protection (EN 62955)	
Over/Under voltage protection	Yes	
Over load protection	Yes	
Over temperature protection	Yes	
Surge protection	II	
Over voltage category	II	
Interface & Communication		
Display	LED indicator	
Monitoring	SolisCloud	
Communication	LAN / Wi-Fi / BLE / RS485	
Protocol	Mode 3 (IEC 61851-1 compliant communication protocol)	
Authentication	APP / Plug&Charge / RFID	
Work mode	Normal Charging; Scheduled Charging; PV Power Preferred; Smart Electricity price charging	
MID meter	Optional	
CT	Optional	
General Data		
Dimensions (W*H*D)	206*364*148 mm	
Weight	3.5 kg	
Mounting method	Wall-Mounting	
Operating ambient temperature range	-30 ~ +50°C ⁽¹⁾	
Relative humidity	5 % - 95 %	
Ingress protection	IP54	
Cooling concept	Natural convection	
Max. operation altitude	2000 m	
Power consumption for standby	<8 W	
Certification	EN 61851-1 2019, IEC 62955:2018, IEC 61008-1 2010, IEC/EN 62196-1	

(1) The parameter tested in lab, the actual value depends on the application scenario.