

S6-E01P(4-5)K-48

Solis Single Phase Low Voltage Off-Grid Inverters

Applicable to all regions except Europe and Brazil

Features:

- Compatible with generator, extend backup duration during grid power outage
- Multiple inverters can work together to form microgrid
- Support dual backup ports for intelligent control of important and non-important loads
- Supports six distinct battery charging and discharging TOU (Time of Use) settings to lower your electricity bill
- 10 seconds of 200% overload capability
- Supports general setting options for lithium batteries, suitable for non-communication batteries

Models:

S6-E01P4K-48

S6-E01P5K-48



DATASHEET

S6-EO1P(4-5)K-48

Models	4K	5K
Solar Charger		
Max. usable PV input power	5.5 kW	6.5 kW
Max. input voltage	500 V	
Start-up voltage	90 V	
MPPT voltage range	90-430 V	
Max. input current	16 A / 16 A	
Max. short circuit current	40 A	
Max. solar charge current	100 A	
MPPT number/Max. input strings number	1/2	
Battery		
Battery type	Li-ion / Lead-acid	
Rated battery voltage	48 V	
Max. charge / discharge power	5 kW / 5 kW	
Max. charge / discharge current	100 A	
Communication	CAN	
Inverter Output		
Rated output power	4 kVA / 4 kW	5 kVA / 5 kW
Operation phase	1/N/PE	
Rated grid voltage	230 V ± 1%	
Rated grid frequency	50 Hz / 60 Hz ± 0.1%	
Surge capacity	8 kVA	10 kVA
Max. output current	20 A	25 A
Output voltage waveform	Pure sine wave	
Transfer time	10 ms typical, 20 ms Max	
THDv (@linear load)	<3%	
Peak efficiency (PV-AC)	96.6%	
AC Charger (grid port and generator port)		
Max. input power	6 kW	7 kW
Rated input voltage	1/N/PE, AC 230 V	
Selectable voltage range	90-280 V	
AC frequency range	50 Hz / 60 Hz	
Max. input current	26 A	30 A
Max. AC charge current	60 A	80 A
Protection		
Output over voltage protection	Yes	
Output over current protection	Yes	
Short circuit protection	Yes	
Surge protection	Yes	
Temperature protection	Yes	
Integrated AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾	
General Data		
Dimensions (W*H*D)	340*480*170 mm	
Weight	13.8 kg	
Topology	High frequency non-isolation	
Relative humidity	5% - 95% (Non-condensing)	
Operating ambient temperature range	-10 ~ +60°C	
Storage temperature range	-25 ~ +60°C	
Ingress protection	IP21	
Max. operation altitude	2000 m	
Parallel capability	6 units	
Safety standard	IEC 62109, IEC 61000, 55011	
Features		
DC connection	Terminal connectors	
AC connection	Terminal connectors	
Display	LCD	
Communication	CAN, BMS, Dry-contact, Bluetooth, Optional: Wi-Fi	

(1) Activation required.