

4-6K

SOLARATOR SERIES

Operates Seamlessly with Generator: Experience Uninterrupted Power, Even in Areas with Grid Instability

S6-EO1P(4-6)K-48

Single Phase | Low Voltage

- Compatible with generator as backup power supply for off grid system
- Easily expand system capacity using parallel connections and AC coupling
- 10 seconds of 200% overload capability
- Multiple battery options including fast configuration for non-communicating batteries
- Support one click fast charging mode
- Supports dual backup load for intelligent load prioritzing

SOUTH AFRICA

t: +27 010 222 0181
e: sales@ginlong.com
w: solisinverters.com/za
saservice@solisinverters.com

DATASHEET

Models	4K	5K	6K
Solar Charger			
Max. usable PV input power	5.5 kW	6.5 kW	6.5 kW
Max. input voltage		500 V	
Rated voltage		360 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	120 A
MPPT number / Max. input strings number		1 / 2	
Battery			
Battery type		Li-ion / Lead-acid	
Rated battery voltage		40 - 60 V	
Max. charge / discharge power		5 kW / 5 kW	6 kW
Max. charge / discharge current		100 A	120 A
Communication		CAN	
Inverter Output			
Rated output power	4 kVA / 4 kW	5 kVA / 5 kW	6 kVA / 6 kW
Operation phase		L/N/PE	
Rated grid voltage		230 V ± 1%	
Rated grid frequency		50 Hz ± 0.1%	
Surge capacity	8 kVA	10 kVA	12 kVA
Max. output current	20 A	25 A	30 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	7 kW
Rated input voltage		L/N/PE, AC 230 V	
Selectable voltage range		90 - 280 V	
AC frequency range		50 Hz	
Max. input current	26 A	30 A	30 A
Max. AC charge current	60 A	80 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 2.0		Optional	
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	
Noise emission (typical)		< 55 dB(A)	
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	