

4-5K

SOLARATOR SERIES

Works with a Wide Range of Batteries: Experience Uninterrupted Power, Even in Areas with Grid Instability

S6-EO1P(4-5)K-48-EU

Single Phase | Low Voltage

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

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DATASHEET

Models	4K	5K
Solar Charger		
Max. usable PV input power	5.5 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	
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	
Max. charge / discharge current	100 A	
Communication	CAN	
Inverter Output		
Rated output power	4 kVA / 4 kW	5 kVA / 5 kW
Operation phase	L/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	L/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 2.0	Optional	
General Data		
Dimensions (W × H × D)	340 × 495 × 170 mm	
Weight	14.1 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	