

S5-EO1P(4-5)K-48

Solis Single Phase Low Voltage Off-Grid Inverters

- One-click fast charging mode
- Generator on and off will be added into system logic, more intelligent
- The newly added force-charging period can optimize the revenue according to the difference of electricity price
- Battery equalization for increased battery performance and lifespan

Models:

S5-EO1P4K-48 / S5-EO1P4K-48-P

S5-EO1P5K-48 / S5-EO1P5K-48-P



360° View



DATASHEET

S5-EO1P(4-5)K-48

Models	4K	4K-P	5K	5K-P
Parallel capability	No	Yes, 6 units	No	Yes, 6 units
Battery				
Rated battery voltage	48 V			
Battery type	Li-ion / Lead-acid			
Max. charge / discharge current	100 A			
Communication	CAN			
Inverter Output				
Rated output power	4 kVA / 4 kW		5 kVA / 5 kW	
Rated output voltage	230 V ± 1%			
Rated frequency	50 Hz ± 0.1%			
Surge capacity	8 kVA		10 kVA	
Output voltage waveform	Pure sine wave			
Transfer time	10 ms typical, 20 ms Max			
THDv (@linear load)	< 3%			
Peak efficiency (PV-AC)	96.6%			
Solar Charger				
Solar charger type			MPPT	
Recommended max. PV power	4.5 kW		5.5 kW	
Max. input voltage			500 V	
MPPT voltage range			90 - 480 V	
MPPT number / Max. input strings number			1 / 2	
Max. input current per MPPT			27 A	
Max. solar charge current			100 A	
AC Charger				
Rated input voltage			230 V	
Selectable voltage range			90 - 280 V	
AC frequency range			50 Hz (Auto sensing)	
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			Yes ⁽¹⁾	
General Data				
Dimensions (W × H × D)			335 × 450 × 160 mm	
Weight			14 kg	
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	
Safety standard			IEC 62109, IEC 61000, 55011, RED	
Features				
DC connection			Terminal connectors	
AC connection			Terminal connectors	
Display			LCD	
Communication			CAN, BMS, Dry-contact, Bluetooth, Optional: Wi-Fi	

(1) Activation required.