S5-EO1P(4-5)K-48

Solis Energy Storage Inverters

>> Models:

S5-EO1P4K-48

S5-EO1P4K-48-P

S5-EO1P5K-48

S5-EO1P5K-48-P

360º View

Flexible Communications

- Integrated LCD display
- Built-in bluetooth communication
- Remote control & firmware upgrade

Adaptive

- Configurable AC/solar input priority based on applications
- Parallel operation up to 10 units (50kW)
- Intelligent EMS function

High Performance

- 80 Amp AC charger and 100 Amp solar charger
- Maximum PV input voltage up to 500VDC
- Built-in MPPT solar charge controller

Battery Friendly

- Compatible with all top-tier brands of lithium batteries and lead-acid batteries
- Battery equalization for increased battery performance and lifespan
- Functional with or without a battery
- One-click fast charging mode
- Manual wakeup the overdischarged battery to extend battery lifespan

DATASHEET

S5-EO1P(4-5)K-48

Models	4K-48	4K-48-P	5K-48	5K-48-P
Parallel capability	No	Yes, 10 units	No	Yes, 10 units
Battery				
Rated battery voltage	48 V			
Battery type	Li-ion / Lead-acid			
Max. charge / discharge current	100 A			
Communication	CAN/RS485			
Inverter Output				
Rated output power	4 kVA / 4 kW		5 kVA / 5 kW	
Rated output voltage	230 V ± 1%			
Rated frequency	50 Hz / 60 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)	96.7%			
Solar Charger				
Solar chager type	MPPT			
Recommended max. PV power	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	26 A (1)			
Max. solar charge current	100 A			
AC Charger				
Rated input voltage	230 V			
Selectable voltage range	90-280 V			
AC frequnence range	50 Hz / 60 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 (DC arc-fault circuit protection)	Yes			
General Data				
Dimensions (W*H*D)	335*450*160 mm			
Weight	14 kg			
Relative humidity	5% to 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			
Features				
DC connection	Terminal connectors			
AC connection	Terminal connectors			
Display	LCD			
Communication	CAN, BMS, RS485, Dry-contact, Bluetooth, Optional: Wi-Fi			

(1) Max. input current per string will be 26A for one string's design and 13A for two strings' design;
Max. input short current per string will be 32A for one string's design and 16A for two strings' design.