GINLONG TECHNOLOGIES CO.,LTD.

S5-EA1P3K-L

Solis Single Phase Low Voltage AC-Coupled Inverters

Features:

- Compatible with lead-acid and lithium batteries, with multiple battery protection features
- Compatible with any existing grid-tied PV system, option to upgrade
- Intelligent debugging APP which support one-click inverter configuration
- Various work mode for different application scenario
- Natural cooling without external fan

Models:

S5-EA1P3K-L



DATASHEET

Models	3K
Output AC (Grid side)	
Rated output power	3 kW
Max. output power	3 kW
Max. apparent output power	3 kVA
Operation phase	1/N/PE
Rated grid voltage	220 V / 230 V
Grid voltage range	184 - 264 V
Rated grid frequency	50 Hz / 60 Hz
Rated grid output current	13.6 A / 13 A
Max. output current	20 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)
THDi	< 3%
Battery	
Battery type	Li-ion / Lead-acid
Battery voltage range	40 - 60 V
Battery capacity	50 - 2000 Ah
Max. charge / discharge current	60 A
Communication	CAN
Input AC (Grid side)	
Rated input voltage	220 V / 230 V
Input voltage range	184 - 264 V
Max. input current	13.6 A / 13 A
Rated grid frequency	50 Hz / 60 Hz
Frequency range	45 - 55 Hz / 55 - 65 Hz
Efficiency	
Max. battery charge efficiency	94.0%
Max. battery discharge efficiency	94.5%
Protection	
Battery reverse protection	Yes
Battery over and under voltage protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Temperature protection	Yes
General Data	
Dimensions (W × H × D)	405 × 510 × 150 mm
Weight	12.1 kg
Topology	High frequency isolation
Operating ambient temperature range	-25 ~ +60°C
Ingress protection	IP65
Cooling concept	Natural cooling
Max. operation altitude	2000 m
Grid connection standard	G98 or G99, VDE-AR-N 4105/VDE V 0124, EN 50549-1, VDE 0126/UTE C 15/VFR:2019, RD 1699/RD 244/UNE 206006/ UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, MEA, PEA
Safety / EMC standard	IEC 62477, EN 61000-6-2/-3
Features	
DC connection	Screw terminal
AC connection	Screw clamp terminal (max. 6 mm^2)
Display	LCD
Communication	RS485, CAN, Optional: Wi-Fi, GPRS