solis

GINLONG TECHNOLOGIES CO.,LTD.

S6-GR1P0.8K-UM

Solis Single Phase Grid-Tied Inverters

Features:

- Large input voltage range, support system easy expand
- Integrated WiFi, easy to use
- Light weight design, rack mounting, easy installation
- Power factor adjustable

Models:

S6-GR1P0.8K-UM

DATASHEET

S6-GR1P0.8K-UM

Models	0.8K
Input DC	
Recommended max. PV power	1.2 kW
Max. input voltage	500 V
Rated voltage	60 V
Start-up voltage	40 V
MPPT voltage range	30-500 V
Max. input current	16 A
Max. short circuit current	25 A
MPPT number/Max. input strings number	1/1
Output AC	
Rated output power	0.8 kW
Max. apparent output power	0.8 kVA
Max. output power	0.8 kW
Rated grid voltage	1/N/PE, 230 V
Rated grid frequency	50 Hz
Rated grid output current	3.5 A
Max. output current	3.5 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)
THDi	<3%
Efficiency	
Max. efficiency	96.6%
MPPT efficiency	99.5%
Protection	
Short circuit protection	Yes
Output over current protection	Yes
Surge protection	Yes
Grid monitoring	Yes
Anti-islanding protection	Yes
Temperature protection	Yes
General Data	
Dimensions (W*H*D)	265*255*64 mm
Weight	2.9 kg
Topology	Transformerless
Self-consumption (night)	<1 W
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0-100%
Ingress protection	IP65
Cooling concept	Natural convection
Max. operation altitude	2000 m
Grid connection standard	VDE-AR-N 4105: 2018, TOR typeA
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4
Features	
DC connection	MC4 connector
AC connection	Quick connection plug
Display	LED+APP
Communication	Wi-Fi+Bluetooth