solis

GINLONG TECHNOLOGIES CO.,LTD.

S6-GR1P(5-10)K03-NV-ND-AU

Solis Single Phase Grid-Tied Inverters

Features:

- New look and easy to operate with Bluetooth App
- 3 MPPT design, suitable for multi-facing roof
- String current up to 20A, applicable for large-current PV panels
- Zero Export control through CT or Meter
- 24-hour Load Consumption Monitoring
- Light weight with compact design for easy installation

Models:

S6-GR1P5K03-NV-ND-AU / S6-GR1P6K03-NV-ND-AU

S6-GR1P7K03-NV-ND-AU / S6-GR1P8K03-NV-ND-AU

S6-GR1P9K03-NV-ND-AU / S6-GR1P9.9K03-NV-ND-AU

S6-GR1P10K03-NV-ND-AU

Wi-Fi communication dongle included

DATASHEET

S6-GR1P(5-10)K03-NV-ND-AU

Models	5K	6K	7K	8K	9K	9.9K	10K
Input DC							
Recommended max. PV power	7.5 kW	9kW	10.5 kW	12 kW	13.5 kW	15 kW	15 kW
Max. input voltage	550 V						
Rated voltage	330 V						
Start-up voltage	60 V						
MPPT voltage range	50-500 V						
Max. input current	20 A / 20 A / 20 A						
Max. short circuit current	25 A / 25 A / 25 A						
MPPT number/Max. input strings number	3/3						
Output AC							
Rated output power	5 kW	6 kW	7 kW	8 kW	9 kW	9.9 kW	10 kW
Rated apparent output power	5 kVA	6 kVA	7 kVA	8 kVA	9 kVA	9.9 kVA	10 kVA
Max. apparent output power	5 kVA	6 kVA	7 kVA	8 kVA	9 kVA	9.9 kVA	10 kVA
Max. output power	5 kW	6 kW	7 kW	8 kW	9 kW	9.9 kW	10 kW
Rated grid voltage	1/N/PE, 230 V						
Rated grid frequency	50 Hz						
Rated grid output current	21.7 A	26.1 A	30.4 A	34.8 A	39.1 A	43 A	43.5 A
Max. output current	21.7 A	26.1 A	30.4 A	34.8 A	39.1 A	43 A	43.5 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)						
THDi	<3%						
Efficiency							
Max. efficiency	98%						
EU efficiency	97.1%						
Protection							
DC reverse-polarity protection	Yes						
Short circuit protection	Yes						
Output over current protection	Yes						
Surge protection	Yes						
Grid monitoring	Yes						
Anti-islanding protection	Yes						
Temperature protection	Yes						
Multi peak scan	Yes						
Integrated AFCI 2.0	Optional						
Integrated DC switch	Yes (PV2 Switch)						
General Data							
Dimensions (W*H*D)	335*510*220 mm						
Weight	16 kg		16.1 kg				
Topology	Transformerless						
Self-consumption (night)	<1 W						
Operating ambient temperature range	-25 ~ +60°C						
Relative humidity	0-100%						
Ingress protection	IP66						
Noise emission (typical)	<40 dB(A)						
Cooling concept	Natural convection		Natural cooling with internal fan				
Max. operation altitude	4000 m						
Grid connection standard	AS /NZS 4777.2:2020, IEC 62116, IEC 61727, IEC60068, IEC 61683, EN 50530						
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4						
Features							
DC connection	MC4 connector						
AC connection	OT Terminal						
Display	LED indicator & Bluetooth+APP						
Communication	RS485, Optional: Wi-Fi, GPRS						
Country of manufacture	China						

Preliminary