

8-10K

Grid-Tied Inverters

S6-GR1P(8-10)K03-NV-ND

3 MPPT | 20A per MPPT

- String current up to 20A
- Integrated CT and Meter interface
- 3 MPPT design, suitable for multi-facing roof
- AFCI protection, proactively reduces fire risk
- Wide voltage range and low startup voltage
- 24-hour load consumption monitoring
- Supports export power control

MALAYSIA

t: +86 574 6580 2188 (sales) +60 0162323512 (service)
e: sales@ginlong.com service@ginlong.com
w: solisinverters.com/my

DATASHEET

Models	8K	9K	10K
Input DC			
Recommended max. PV power	12 kW	13.5 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	8 kW	9 kW	10 kW
Max. apparent output power	8 kVA	9 kVA	10 kVA
Max. output power	8 kW	9 kW	10 kW
Rated grid voltage		1/N/PE, 220 V / 230 V	
Rated grid frequency		50 Hz / 60 Hz	
Rated grid output current	36.4 A / 34.8 A	40.9 A / 39.1 A	45.5 A / 43.5 A
Max. output current	36.4 A	40.9 A	45.5 A
Power factor		> 0.99 (0.8 leading - 0.8 lagging)	
THDi		< 3%	
Efficiency			
Max. efficiency		98.0%	
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	
General Data			
Dimensions (W × H × D)		335 × 510 × 220 mm	
Weight		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 cooling with internal fan	
Max. operation altitude		4000 m	
Grid connection standard		IEC 62116, IEC 61727, IEC 61683, G99, EN 50549-1, EN 50549-10, VDE 0126/XP C15/VFR 2019, ESB-Micro/ESB-Mini, NTS 631/PO 12.3/RD 647&RD 413&RD 1699/UNE 217001&ITC-BT-40/UNE 217002	
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 digital display & Bluetooth + APP	
Communication		RS485, Optional: Wi-Fi, GPRS	