

S6-GR1P(7-10)K03-NV-ND

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-GR1P7K03-NV-ND

S6-GR1P8K03-NV-ND

S6-GR1P9K03-NV-ND

S6-GR1P10K03-NV-ND



DATASHEET

S6-GR1P(7-10)K03-NV-ND

Models	7K	8K	9K	10K
Input DC				
Recommended max. PV power	10.5 kW	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	7 kW	8 kW	9 kW	10 kW
Max. apparent output power	7 kVA	8 kVA	9 kVA	10 kVA
Max. output power	7 kW	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	31.8 A / 30.4 A	36.4 A / 34.8 A	40.9 A / 39.1 A	45.5 A / 43.5 A
Max. output current	31.8 A	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	G99, IEC 62116, IEC 61727, EN 50530, MEA, PEA			
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			