

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



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	98.0%						
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 method				Active frequency shifting			
Temperature protection				Yes			
Multi peak scan				Yes			
Integrated AFCI 2.0				Optional			
Integrated DC switch				Yes (PV2 Switch)			
Protection class				Class I			
Over voltage category				II (PV), III (MAINS)			
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 cooling			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 digital display & Bluetooth + APP						
Communication	RS485, Optional: Wi-Fi, GPRS						
Country of manufacture	China						