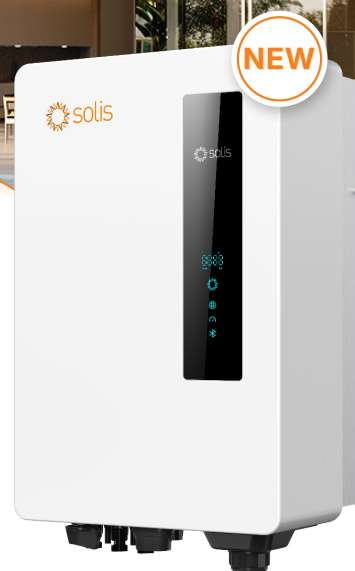




Grid-Tied Inverters

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

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

AUSTRALIA

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DATASHEET

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

Models	5K	6K	7K	8K	9K	9.9K	10K
Input DC							
Recommended max. PV power	6.7 kW	8 kW	9.3 kW	10.6 kW	12 kW	13.2 kW	13.3 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			
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			