

S6-GR1P(0.7-3.6)K01-NV-YD

Solis Single Phase Grid-Tied Inverters

Features:

- 21A PV input for high-power solar panels
- 50V start-up for longer daily generation
- Optional DC & AC Type II SPD protection
- Optional AFCI 2.0 for enhanced safety
- CT/Meter 2-in-1 for flexible EPM setup
- IP66-rated for harsh environments

Models:

S6-GR1P0.7K01-NV-YD / S6-GR1P1K01-NV-YD

S6-GR1P1.5K01-NV-YD / S6-GR1P2K01-NV-YD

S6-GR1P2.5K01-NV-YD / S6-GR1P3K01-NV-YD

S6-GR1P3.6K01-NV-YD



DATASHEET

Models	0.7K	1K	1.5K	2K	2.5K	3K	3.6K
Input DC							
Recommended max. PV power	1.1 kW	1.5 kW	2.3 kW	3 kW	3.8 kW	4.5 kW	5.4 kW
Max. input voltage				550 V			
Rated voltage				360 V			
Start-up voltage				50 V			
MPPT voltage range				40-500 V			
Max. input current				21 A			
Max. short circuit current				30 A			
MPPT number / Max. input strings number				1 / 1			
Output AC							
Rated output power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW	3.6 kW
Max. apparent output power	0.77 kVA	1.1 kVA	1.65 kVA	2.2 kVA	2.75 kVA	3.3 kVA	3.6 kVA
Max. output power	0.77 kW	1.1 kW	1.65 kW	2.2 kW	2.75 kW	3.3 kW	3.6 kW
Rated grid voltage	1/N/PE, 220 V, 230 V						
Rated grid frequency	50 Hz / 60 Hz						
Rated grid output current	3.2 A / 3.0 A	4.5 A / 4.3 A	6.8 A / 6.5 A	9.1 A / 8.7 A	11.4 A / 10.9 A	13.6 A / 13.0 A	16.0 A
Max. output current	3.5 A	5.0 A	7.5 A	10.0 A	12.5 A	15.0 A	16.0 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)						
THDi	< 3%						
Efficiency							
Max. efficiency	96.6%			97.6%			
EU efficiency	96.0%			97.0%			
Protection							
DC reverse-polarity protection				Yes			
Short circuit protection				Yes			
Output over current protection				Yes			
Surge protection	DC Type II / AC Type II (Optional)						
Grid monitoring				Yes			
Anti-islanding protection				Yes			
Temperature protection				Yes			
Strings monitoring				Yes			
I/V Curve scanning				Yes			
Multi peak scan				Yes			
Integrated AFCI 2.0				Optional			
Integrated DC switch				Yes			
General Data							
Dimensions (W × H × D)	310 × 210 × 139 mm						
Weight	6.4 kg			6.5 kg			6.6 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)	< 30 dB(A)						< 40 dB(A)
Cooling concept	0.7-3K: Natural cooling; 3.6K: Natural cooling with internal fan						
Max. operation altitude	4000 m						
Grid connection standard	G98, EN 50549-1/10, C10-26, VDE 0126/XP C15/VFR 2019, NRS 097-2-1, PHILIPPINE DISTRIBUTION CODE, IEC61727, IEC 62116, IEC 60068, IEC 61683, EN 50530						
Safety / EMC standard	IEC/EN 62109-1/-2, IEC/EN IEC 61000-6-1/-2/-3/-4						
Features							
DC connection	MC4 connector						
AC connection	Quick connection plug						
Display	LCD						
Communication	Standard: RS485, Optional: Wi-Fi (USB type), DRM						