

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



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
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						