

S6-GR1P(0.7-3.6)K-M

Solis Mini Series Inverters

>> Models:

S6-GR1P0.7K-M

S6-GR1P1K-M

S6-GR1P1.5K-M

S6-GR1P2K-M

S6-GR1P2.5K-M

S6-GR1P3K-M

S6-GR1P3.6K-M



360° View



Features:

- Max. efficiency 97.3%
- String current up to **14A**
- Super high frequency switching technology
- Wide voltage range and low startup voltage
- Precise MPPT algorithm
- Intergrated Export Power Manager (EPM)
- AFCI protection, proactively reduces fire risk
- Compact and lightweight
- Friendly and adaptable connection to the grid

DATASHEET**S6-GR1P(0.7-3.6)K-M**

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				600 V			
Rated voltage		200 V			330 V		
Start-up voltage		60 V			90 V		
MPPT voltage range		50-500 V			80-500 V		
Max. input current			14 A			19 A	
Max. short circuit current			22 A			24 A	
MPPT number/Max. input strings number			1/1			1/2	
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 A	16 A
Max. output current	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A	16 A
Power factor				>0.99 (0.8 leading - 0.8 lagging)			
THDi				<3%			
Efficiency							
Max. efficiency		96.6%		96.6%	97.1%	97.1%	97.3%
EU efficiency		95.3%		95.4%	96.6%	96.7%	96.8%
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			
Integrated AFCI (DC arc-fault circuit protection)				Yes ⁽¹⁾			
Integrated DC switch				Optional			
General Data							
Dimensions (W*H*D)				310*373*160 mm			
Weight		7.4 kg			7.7 kg		
Topology				Transformerless			
Self-consumption (night)				<1 W			
Operating ambient temperature range				-25 ~ +60°C			
Relative humidity				0-100%			
Ingress protection				IP66			
Cooling concept				Natural convection			
Max. operation altitude				4000 m			
Grid connection standard				G98 or G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15 / VFR:2019, RD 1699 / RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, 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				Quick connection plug			
Display				LCD			
Communication				RS485, Optional: Wi-Fi, GPRS			

(1) Activation required.