

HIP

S6-GR1P3K-M

Solis Mini Series Inverters

>> Models:
S6-GR1P3K-M



Features:

- Max. efficiency 97.1%
- 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-GR1P3K-M
Models	3K	
Input DC		
Recommended max. PV power	4.5 kW	
Max. input voltage	600 V	
Rated voltage	330 V	
Start-up voltage	90 V	
MPPT voltage range	80-500 V	
Max. input current	14 A	
Max. short circuit current	22 A	
MPPT number/Max. input strings number	1/1	
Output AC		
Rated output power	3 kW	
Max. apparent output power	3.3 kVA	
Max. output power	3.3 kW	
Rated grid voltage	1/N/PE, 220 V / 230 V	
Rated grid frequency	50 Hz / 60 Hz	
Rated grid output current	13.6 A / 13 A	
Max. output current	15.7 A	
Power factor	>0.99 (0.8 leading - 0.8 lagging)	
THDi	<3%	
Efficiency		
Max. efficiency	97.1%	
EU efficiency	96.7%	
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	
rated AFCt (DC arc-fault circuit protection)	Yes ⁽¹⁾	
Integrated DC switch	Optional	
General Data		
Dimensions (W*H*D)	310*373*160 mm	
Weight	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	
standard M E / y t e f a S	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	