

S6-GR1P3K-M

Solis Single Phase Grid-Tied Inverters

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
- Integrated Export Power Manager (EPM)
- AFCI protection, proactively reduces fire risk
- Compact and lightweight
- Friendly and adaptable connection to the grid

Models:

S6-GR1P3K-M



360° View



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
Integrated AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾
Integrated DC switch	Optional
General Data	
Dimensions (W*H*D)	310*373*160 mm
Weight	7.7 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.