



S6-GR1P5K

Solis Single Phase Inverters

>> Models:
S6-GR1P5K



Features:

- Max. efficiency 97.7%
- String current up to **14A**
- Super high frequency switching technology
- Wide voltage range and low startup voltage
- 2 MPPT design with precise MPPT algorithm
- Intergrated Export Power Manager (EPM)
- AFCI protection, proactively reduces fire risk
- Compact and lightweight
- Friendly and adaptable connection to the grid

TEHSATAD	K5P1RG-6S
Models	5K
Input DC	
Recommended max. PV power	7.5 kW
Max. input voltage	600 V
Rated voltage	330 V
Start-up voltage	120 V
MPPT voltage range	90-520 V
Max. input current	14 A / 14 A
Max. short circuit current	22 A / 22 A
MPPT number/Max. input strings number	2/2
Output AC	
Rated output power	5 kW
Max. apparent output power	5 kVA
Max. output power	5 kW
Rated grid voltage	1/N/PE, 220 V / 230 V
Rated grid frequency	50 Hz / 60 Hz
Rated grid output current	22.7 A / 21.7 A
Max. output current	25.0 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)
THDi	<3%
Efficiency	
Max. efficiency	97.7%
EU efficiency	97.1%
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 AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾
Integrated DC switch	Optional
General Data	
Dimensions (W*H*D)	310*543*160 mm
Weight	12 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
EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-3
Features	
DC connection	MC4 connector
AC connection	Quick connection plug
Display	LCD
Communication	RS485, Optional: Wi-Fi, GPRS