

S6-GR1P(0.7-3.6)K-M

Solis Single Phase Grid-Tied Inverters

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

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

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% | 96.4% | 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 | | | |
| Multi peak scan | | | | Yes | | | |
| Temperature protection | | | | Yes | | | |
| Integrated AFCI | | | | Yes ⁽¹⁾ | | | |
| Integrated DC switch | | | | Yes | | | |
| 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 | | | | | | |
| Noise emission (typical) | < 20 dB(A) | | | | | | |
| Cooling concept | Natural cooling | | | | | | |
| 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, TOR, 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.