

S6-GC3P(25-36)K03-NV-ND

Solis Three Phase Grid-Tied Inverters

Features:

- Max. efficiency 98.5%
- String current up to 20A
- > 150% DC/AC ratio, supports high power modules
- Automatic voltage stabilization technology in weak grid conditions
- AFCI protection, proactively reduces fire risk
- Supports RS485/ WiFi/GPRS/4G
- Scan to register on SolisCloud, supports remote upgrade and control

Models:

S6-GC3P25K03-NV-ND

S6-GC3P30K03-NV-ND

S6-GC3P33K03-NV-ND

S6-GC3P36K03-NV-ND



DATASHEET
S6-GC3P(25-36)K03-NV-ND

| Models | 25K | 30K | 33K | 36K |
|---------------------------------------|--|-----------------|-----------------|---------------|
| Input DC | | | | |
| Recommended max. PV power | 37.5 kW | 45 kW | 49.5 kW | 54 kW |
| Max. input voltage | 1100 V | | | |
| Rated voltage | 600 V | | | |
| Start-up voltage | 180 V | | | |
| MPPT voltage range | 180-1000 V | | | |
| Max. input current | 40 A / 40 A / 40 A | | | |
| Max. short circuit current | 50 A / 50 A / 50 A | | | |
| MPPT number/Max. input strings number | 3/6 | | | |
| Output AC | | | | |
| Rated output power | 25 kW | 30 kW | 33 kW | 36 kW |
| Max. apparent output power | 27.5 kVA | 33 kVA | 36.3 kVA | 39.6 kVA |
| Max. output power | 27.5 kW | 33 kW | 36.3 kW | 39.6 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V | | | |
| Rated grid frequency | 50 Hz | | | |
| Rated grid output current | 38.0 A / 36.1 A | 45.6 A / 43.3 A | 50.1 A / 47.6 A | 54.7 A / 52 A |
| Max. output current | 41.8 A | 50.2 A | 55.1 A | 60.2 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | | | |
| THDi | <3% | | | |
| Efficiency | | | | |
| Max. efficiency | 98.5% | | | |
| EU efficiency | 98% | | | |
| Protection | | | | |
| DC reverse-polarity protection | Yes | | | |
| Short circuit protection | Yes | | | |
| Output over current protection | Yes | | | |
| Surge protection | DC Type II / AC Type II | | | |
| Grid monitoring | Yes | | | |
| Anti-islanding protection | Yes | | | |
| Temperature protection | Yes | | | |
| Strings monitoring | Yes | | | |
| I/V Curve scanning | Yes | | | |
| Integrated AFCI 2.0 | Optional | | | |
| Integrated DC switch | Yes | | | |
| General Data | | | | |
| Dimensions (W*H*D) | 355*625*250 mm | | | |
| Weight | 26.8 kg | | | |
| Topology | Transformerless | | | |
| Self-consumption (night) | <1 W | | | |
| Operating ambient temperature range | -25 ~ +60°C | | | |
| Relative humidity | 0-100% | | | |
| Ingress protection | IP66 | | | |
| Cooling concept | Intelligent redundant fan-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, IEC60068, IEC 61683, EN 50530 | | | |
| Safety/EMC standard | IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4 | | | |
| Features | | | | |
| DC connection | MC4 connector | | | |
| AC connection | OT terminal | | | |
| Display | LED, Bluetooth + APP | | | |
| Communication | RS485, Optional: Wi-Fi, GPRS | | | |