

S5-GC(25-36)K-LV

Solis Three Phase Grid-Tied Inverters

Efficient

- Max. efficiency 98.4%
- String current up to 16A
- 4 MPPT design, supports multiple orientation system design
- Night time PID recovery function, increases overall system yield (optional)

Smart

- Night SVG function
- Supports export power control
- Intelligent string monitoring, smart I-V curve scan
- Scan to register on SolisCloud, supports remote upgrade and control

Safe

- IP66, C5 Anti-Corrosion Level
- Intelligent redundant fan-cooling
- AFCI protection, proactively reduces fire risk
- Globally recognised branded componentry for longer life

Economic

- Supports GPRS/WiFi communication with less wiring and reduced installation costs
- DC side supports "Y" connector
- 8 string inputs allow for 150%+ DC oversizing

Models:

S5-GC25K-LV

S5-GC30K-LV

S5-GC36K-LV



360° View

DATASHEET

S5-GC(25-36)K-LV

| Models | 25K | 30K | 36K |
|---------------------------------------|-----------------------------------|---|--------|
| Input DC | | | |
| Max. input voltage | | 1100 V | |
| Rated voltage | | 360 V | |
| Start-up voltage | | 195 V | |
| MPPT voltage range | | 180-1000 V | |
| Max. input current | | 4*32 A | |
| Max. short circuit current | | 4*40 A | |
| MPPT number/Max. input strings number | | 4/8 | |
| Output AC | | | |
| Rated output power | 25 kW | 30 kW | 36 kW |
| Max. apparent output power | 27.5 kVA | 33 kVA | 36 kVA |
| Max. output power | 27.5 kW | 33 kW | 36 kW |
| Rated grid voltage | 3/(N)/PE, 220 V | | |
| Rated grid frequency | 50 Hz / 60 Hz | | |
| Rated grid output current | 65.6 A | 78.7 A | 94.5 A |
| Max. output current | 72.2 A | 86.6 A | 94.5 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | | |
| THDi | <3% | | |
| Efficiency | | | |
| Max. efficiency | | 98.4% | |
| EU efficiency | | 98.0% | |
| 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 PID recovery | | Optional ⁽¹⁾ | |
| Integrated DC switch | | Yes | |
| General Data | | | |
| Dimensions (W*H*D) | | 691*578*338 mm | |
| Weight | | 53.7 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) | | <55 dB(A) | |
| Cooling concept | | Intelligent redundant fan-cooling | |
| Max. operation altitude | | 4000 m | |
| Grid connection standard | | UL 1741, IEEE 1547, NBR 16149, NBR 16150, C10-11, REN 342 | |
| Safety/EMC standard | | IEC 62109-1/-2, IEC62116 & IEC 61000-6-1/-2/-3/-4 | |
| Features | | | |
| DC connection | | MC4 connector | |
| AC connection | | OT terminal (max. 70 mm ²) | |
| Display | | LCD, Capacitive touch buttons | |
| Communication | | RS485, USB, Optional: Wi-Fi, GPRS | |

(1) Due to the similar functional logic, when the night time PID-Recovery function is integrated, the night time var compensation function can not be used. Also, the negative grounding option is not available for inverters with night time PID-Recovery function.