

S6-GU350K-EHV

Solis Three Phase Grid-Tied Inverters

Efficient

- 12/16 MPPTs, max. efficiency 99.0%
- > 150% DC/AC ratio
- Lower starting voltage, longer power generation time
- Wide MPPT current design, compatible with 182 and 210 series bifacial modules

Smart

- Night SVG function
- Intelligent string monitoring. Smart I-V curve scan
- Remote firmware upgrade with simple operation

Safe

- IP66, C5 Anti-Corrosion Level
- Built-in PID recovery for better module performance
- Fuse free design, safe and maintenance free

Economic

- Power line communication (PLC) (optional)
- Integrated tracking bracket power supply interface

Models:

S6-GU350K-EHV-M12

S6-GU350K-EHV-M16



DATASHEET

S6-GU350K-EHV

| Models | 350K-M12 | 350K-M16 |
|---|--|----------|
| Input DC | | |
| Max. input voltage | 1500 V | |
| Rated voltage | 1080 V | |
| Start-up voltage | 500 V | |
| MPPT voltage range | 480-1500 V | |
| Max. input current | 12*40 A | 16*30 A |
| Max. short circuit current | 12*60 A | 16*60 A |
| MPPT number/Max. input strings number | 12/24 | 16/32 |
| Output AC | | |
| Rated output power | 350 kW@30°C / 325 kW@40°C / 300 kW@51°C | |
| Max. apparent output power | 350 kVA | |
| Rated grid voltage | 3/PE, 800 V | |
| Grid voltage range | 640-920 V | |
| Rated grid frequency | 50 Hz / 60 Hz | |
| Max. output current | 252.6 A | |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | |
| THDi | <3% | |
| DC injection current | <0.5%I _n | |
| Efficiency | | |
| Max. efficiency | 99.0% | |
| EU efficiency | 98.7% | |
| Protection | | |
| DC reverse-polarity protection | Yes | |
| Short circuit protection | Yes | |
| Output over current protection | Yes | |
| Insulation resistance monitoring | Yes | |
| Residual current detection | 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 (DC arc-fault circuit protection) | Optional | |
| Night time SVG function | Yes | |
| Integrated PID recovery | Yes | |
| Integrated DC switch | Yes | |
| General Data | | |
| Dimensions (W*H*D) | 1175*945.5*446 mm | |
| Weight | 134 kg | 143 kg |
| Topology | Transformerless | |
| Self-consumption (night) | <3 W | |
| Operating ambient temperature range | -30 ~ +60°C | |
| Relative humidity | 0-100% | |
| Ingress protection | IP66 | |
| Noise emission (typical) | ≤65 dB(A) | |
| Cooling concept | Intelligent redundant fan-cooling | |
| Max. operation altitude | 4000 m | |
| Grid connection standard | EN50549, G99, AS4777.2, VDE0126, IEC61727, VDE4110, CEA 2019 | |
| Safety/EMC standard | IEC62109-1/-2, EN61000-6-2/-4 | |
| Features | | |
| DC connection | MC4-EVO2 connector | |
| AC connection | OT terminal (max. 400 mm ²) | |
| Display | LED, Bluetooth + APP | |
| Communication | RS485, Optional: PLC | |