

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	
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)	≤ 80 dB(A)	
Cooling concept	Intelligent 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 indicator & Bluetooth + APP	
Communication	RS485, Optional: PLC	