

## S6-GU350K-EHV

# Solis Three Phase Grid-Tied Inverters

### Efficient

- 12 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



## DATASHEET

## S6-GU350K-EHV

Models	350K-M12
<b>Input DC</b>	
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
Max. short circuit current	12*60 A
MPPT number/Max. input strings number	12/24
<b>Output AC</b>	
Rated output power	350 kW@30°C / 320 kW@40°C / 300 kW@50°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%In
<b>Efficiency</b>	
Max. efficiency	99.0%
EU efficiency	98.7%
<b>Protection</b>	
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
<b>General Data</b>	
Dimensions (W*H*D)	1175*945.5*446 mm
Weight	143.6 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
<b>Features</b>	
DC connection	MC4-EVO2 connector
AC connection	OT terminal (max. 400 mm <sup>2</sup> )
Display	LED, Bluetooth + APP
Communication	RS485, Optional: PLC