

S6-GU(300-350)K-EHV

Shinson 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-GU300K-EHV-M12

S6-GU300K-EHV-M16

S6-GU333K-EHV-M12

S6-GU333K-EHV-M16

S6-GU350K-EHV-M12

S6-GU350K-EHV-M16



DATASHEET

S6-GU(300-350)K-EHV

Models	300K-M12	300K-M16	333K-M12	333K-M16	350K-M12	350K-M16
Entrada CC						
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	12*40 A	16*30 A	12*40 A	16*30 A
Max. short circuit current	12*60 A	16*60 A	12*60 A	16*60 A	12*60 A	16*60 A
MPPT number/Max. input strings number	12/24	16/32	12/24	16/32	12/24	16/32
Output AC						
Rated output power	300 kW		333 kW		350 kW	
Max. apparent output power	300 kVA		333 kVA		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	216.5 A		240.3 A		252.6 A	
Power factor	>0.99 (0.8 leading - 0.8 lagging)					
THDi	<3%					
Efficiency						
Max. efficiency	99.0%					
EU efficiency	98.7%					
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					
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	134 kg	143 kg	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					
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	IEC 62109-1/-2, IEC 61000-6-2/-3/-4					
Features						
DC connection	MC4-EVO2 connector					
AC connection	OT terminal (max. 400 mm ²)					
Display	LED, Bluetooth + APP					
Communication	RS485, Optional: PLC					