



Grid-Tied Inverters

S6-GU350K-EHV

12/16 MPPT | 40A/30A per MPPT



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



Safe

- IP66, C5 Anti-Corrosion Level
- Anti-PID and PID recovery function
- Fuse free design, safe and maintenance free



Smart

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



Economic

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

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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%In			
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)	1186.5 × 954.5 × 467 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 mm²)			
Display	LED indicator & Bluetooth + APP			
Communication	RS485, Optional: PLC			