



250-350K

Grid-Tied Inverters

S6-GU(250-350)K-EHV-US

12 MPPT | 30A per MPPT

 **Efficient**

- 12/16 MPPTs, max. efficiency 99.0%
- > 1.5 DC/AC ratio
- Lower starting voltage, longer power generation time
- Wide MPPT current design, compatible with 182 and 210 series bifacial modules

 **Safe**

- Type 4X, 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

Models	250K-M12	300K-M12	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 × 70 A			16 × 60 A
MPPT number / Max. input strings number	12 / 12			16 / 16
Output AC				
Rated output power	250 kW	300 kW	350 kW	
Max. apparent output power	250 kVA	300 kVA	350 kVA	
Max. output power	250 kW	300 kW	350 kW	
Rated grid voltage	3Φ/PE, 600 V	Φ / PE, 690 V	3Φ/PE, 800 V	
Rated grid frequency	60 Hz			
Max. output current	240.6 A	251.0 A	252.6 A	
Power factor	> 0.99 (0.8 leading - 0.8 lagging)			
THDi	< 3%			
Efficiency				
Max. efficiency	99.0%			
CEC efficiency	98.5%			
Protection				
Surge protection	DC Type II / AC Type II			
DC reverse-polarity protection	Yes			
Anti-islanding protection	Yes			
Strings monitoring	Yes			
I/V Curve scanning	Yes			
Integrated AFCI	Yes			
Integrated PID recovery	Yes			
General Data				
Dimensions (W × H × D)	48.2 × 37.6 × 18.4 in (1223.5 × 954.5 × 467 mm)			
Weight	297 lbs (135 kgs)			
Topology	Transformerless			
Self-consumption (night)	< 3 W			
Operating ambient temperature range	-22°F to 140°F (-30°C to 60°C)			
Relative humidity	-40°F to 176°F (-40°C to 80°C)			
Ingress protection	TYPE 4X			
Cooling concept	Intelligent fan-cooling			
Max. operation altitude	13,120 ft (4000 m)			
Compliance	UL 1741SB, UL 1998, UL1699B, IEEE 1547-2018, FCC Part 15 (Class A & B), CAN/CSA C22.2 107.1-1, California Rule 21			
Features				
DC connection	MC4 connector			
AC connection	OT terminal (1000 MCM)			
Display	LED indicator & Bluetooth + APP			
Communication	RS485, Optional: PLC			