

350K

Grid-Tied Inverters

S6-GU3P350K06-EV-ND

6 MPPT | 80A per MPPT

Efficient

- 30 inputs, > 150% DC/AC ratio
- Each MPPT maximum current 80A, compatible with 182 and 210 series bifacial modules
- Patented heat transfer technology, continuous output increase of 5% at high temperature

Safe

- IP66, C5-M Anti-Corrosion level
- Intelligent string break, remote release for DC switch, active safety
- Support intelligent AC/DC terminal temperature detection

Smart

- Intelligent string monitoring, smart I-V curve scan
- Each MPPT online insulation fault detection facilitates rapid fault identification
- Low temperature antifreeze, reverse dust removal, indoor dehumidification

Economic

- Inverter with 20ms fast reactive power response, can replace SVG
- Support 400mm^2 aluminum wire connection, saving AC cable cost
- Support PLC communication, saving communication cables and construction cost

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DATASHEET S6-GU3P350K06-EV-ND

Models	350K06
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	6 × 80 A
Max. short circuit current	6 × 125 A
MPPT number / Max. input strings number	6 / 30
Output AC	
Rated output power	350KW@30°C, 325KW@40°C, 300KW@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)	1098 × 813 × 378.5 mm
Weight	117 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	Matching connector
AC connection	OT terminal (max. 400 mm^2)
Display	LED indicator & Bluetooth + APP
Communication	RS485, Optional: PLC