



solis

20th
ANNIVERSARY



Grid-Tied Inverters

S6-GR3P10K02-NV-ND

2 MPPT | 21A per MPPT

- String current up to 21A
- > 200% DC/AC ratio
- Dual independent RS485 ports, supporting communication with multiple devices
- 24-hour load consumption monitoring
- Nighttime PID recovery function (optional)
- IP66, C5 Anti-Corrosion Level
- Information scrolling display, easy access to inverter operation information
- Adaptive weak grid

THAILAND

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DATASHEET

S6-GR3P10K02-NV-ND

Models	10K
Input DC	
Recommended max. PV power	15 kW
Max. input voltage	1100 V
Rated voltage	600 V
Start-up voltage	160 V
MPPT voltage range	160 - 1000 V
Max. input current	21 A / 21 A
Max. short circuit current	26.5 A / 26.5 A
MPPT number / Max. input strings number	2 / 2
Output AC	
Rated output power	10 kW
Max. apparent output power	10 kVA
Max. output power	10 kW
Rated grid voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V
Rated grid frequency	50 Hz / 60 Hz
Rated grid output current	15.2 A / 14.4 A
Max. output current	15.2 A / 14.4 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)
THDi	< 3%
Efficiency	
Max. efficiency	98.5%
EU efficiency	97.9%
Protection	
DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Surge protection	Yes
Grid monitoring	Yes
Anti-islanding protection	Yes
Temperature protection	Yes
I/V Curve scanning	Yes
Multi peak scan	Yes
Integrated AFCI 2.0	Optional
Integrated PID recovery	Optional
Integrated DC switch	Yes
General Data	
Dimensions (W × H × D)	355 × 410 × 179 mm
Weight	15.4 kg
Topology	Transformerless
Self-consumption (night)	< 1 W
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0 - 100%
Ingress protection	IP66
Noise emission (typical)	< 30 dB(A)
Cooling concept	Natural cooling
Max. operation altitude	4000 m
Grid connection standard	G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15 / VFR:2019, RD 1699 / RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530
Safety / EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4
Features	
DC connection	MC4 connector
AC connection	Quick connection plug
Display	LED digital display & Bluetooth + APP
Communication	RS485, Optional: Wi-Fi, GPRS