8-10K

Grid-Tied Inverters

S6-GR1P(8-10)K03-NV-ND

3 MPPT | 20A per MPPT

- String current up to 20A
- Integrated CT and Meter interface
- 3 MPPT design, suitable for multi-facing roof
- AFCI protection, proactively reduces fire risk
- Wide voltage range and low startup voltage
- 24-hour load consumption monitoring
- Supports export power control

PHILIPPINES

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DATASHEET

Models	8K	9K	10K
Input DC			
Recommended max. PV power	12 kW	13.5 kW	15 kW
Max. input voltage	550 V		
Rated voltage	330 V		
Start-up voltage	60 V		
MPPT voltage range	50 - 500 V		
Max. input current	20 A / 20 A / 20 A		
Max. short circuit current	25 A / 25 A / 25 A		
MPPT number / Max. input strings number	3 / 3		
Output AC			
Rated output power	8 kW	9 kW	10 kW
Max. apparent output power	8 kVA	9 kVA	10 kVA
Max. output power	8 kW	9 kW	10 kW
Rated grid voltage	1/N/PE, 220 V / 230 V		
Rated grid frequency	50 Hz / 60 Hz		
Rated grid output current	36.4 A / 34.8 A	40.9 A / 39.1 A	45.5 A / 43.5 A
Max. output current	36.4 A	40.9 A	45.5 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)		
THDi	< 3%		
Efficiency			
Max. efficiency	98.0%		
EU efficiency	97.1%		
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		
Multi peak scan	Yes		
Integrated AFCI 2.0	Optional		
Integrated DC switch	Yes		
General Data			
Dimensions (W × H × D)	335 × 510 × 220 mm		
Weight	16.1 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)	< 40 dB(A)		
Cooling concept	Natural cooling with internal fan		
Max. operation altitude	4000 m		
Grid connection standard	IEC 62116, IEC 61727, IEC 61683, G99, EN 50549-1, EN 50549-10		
Safety / EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4		
Features			
DC connection	MC4 connector		
AC connection	OT Terminal		
Display	LED digital display & Bluetooth + APP		
Communication	RS485, Optional: Wi-Fi, GPRS		