



0.7-3.6K

Grid-Tied Inverters

S6-GR1P(0.7-3)K-M(16A)

S6-GR1P3.6K-M

1 MPPT | 16A/19A per MPPT



- CT/Meter 2-in-1 design for easy EPM setup
- Large LCD and 4-button interface for easy operation
- 24-hour consumption monitoring with CT/Meter
- IP66-rated for harsh environments
- Compatible with various grid conditions

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DATASHEET

Models	0.7K	1K	1.5K	2K	2.5K	3K	3.6K
Input DC							
Recommended max. PV power	1.1 kW	1.5 kW	2.3 kW	3 kW	3.8 kW	4.5 kW	5.4 kW
Max. input voltage	550 V						
Rated voltage	200 V			360 V			330 V
Start-up voltage	50 V			80 V			90 V
MPPT voltage range	40 - 500 V			70 - 500 V			80 - 500 V
Max. input current	16 A						19 A
Max. short circuit current	22 A						24 A
MPPT number / Max. input strings number	1 / 1						1 / 2
Output AC							
Rated output power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW	3.6 kW
Max. apparent output power	0.77 kVA	1.1 kVA	1.65 kVA	2.2 kVA	2.75 kVA	3.3 kVA	3.6 kVA
Max. output power	0.77 kW	1.1 kW	1.65 kW	2.2 kW	2.75 kW	3.3 kW	3.6 kW
Rated grid voltage	1/N/PE, 220 V / 230 V						
Rated grid frequency	50 Hz / 60 Hz						
Rated grid output current	3.2 A / 3.0 A	4.5 A / 4.3 A	6.8 A / 6.5 A	9.1 A / 8.7 A	11.4 A / 10.9 A	13.6 A / 13 A	16 A
Max. output current	3.5 A	5.0 A	7.5 A	10.0 A	12.5 A	15.0 A	16 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)						
THDi	< 3%						
Efficiency							
Max. efficiency	96.6%			97.1%	97.1%		97.3%
EU efficiency	95.3%		95.4%	96.4%	96.7%		96.8%
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)	310 × 373 × 160 mm						
Weight	7.7 kg			8 kg			8.1 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)	< 20 dB(A)						
Cooling concept	Natural cooling						
Max. operation altitude	4000 m						
Grid connection standard	EN 50549-1/-10, VDE 0126/XP C15/VFR 2019, C10-26, IEC 62116, IEC 61727						
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	LCD						
Export control interface	CT / Meter (2-in-1)						
Communication	RS485, Optional: Wi-Fi, GPRS						