



solis |

20th
ANNIVERSARY

Grid-Tied Inverters

S6-GR1P0.8K-UM

1 MPPT | 16A per MPPT



- Integrated WiFi, easy to use
- Lightweight design, rack mounting, easy installation
- Suitable for balcony system

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DATASHEET

S6-GR1P0.8K-UM

Models	0.8K
Input DC	
Recommended max. PV power	1.2 kW
Max. input voltage	500 V ⁽¹⁾
Rated voltage	60 V
Start-up voltage	40 V
MPPT voltage range	30 - 500 V
Max. input current	16 A
Max. short circuit current	25 A
MPPT number / Max. input strings number	1 / 1
Output AC	
Rated output power	0.8 kW
Max. apparent output power	0.8 kVA
Max. output power	0.8 kW
Rated grid voltage	1/N/PE, 230 V
Rated grid frequency	50 Hz
Rated grid output current	3.5 A
Max. output current	3.5 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)
THDi	< 3%
Efficiency	
Max. efficiency	96.6%
MPPT efficiency	99.5%
Protection	
Short circuit protection	Yes
Output over current protection	Yes
Surge protection	Yes
Grid monitoring	Yes
Anti-islanding protection	Yes
Temperature protection	Yes
General Data	
Dimensions (W × H × D)	265 × 255 × 64 mm
Weight	2.9 kg
Topology	Transformerless
Self-consumption (night)	< 1 W
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0 - 100%
Ingress protection	IP65
Noise emission (typical)	< 20 dB(A)
Cooling concept	Natural cooling
Max. operation altitude	2000 m
Grid connection standard	VDE-AR-N 4105: 2018, TOR typeA
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 indicator & Wi-Fi / Bluetooth + APP
Communication	Wi-Fi + Bluetooth

(1) When actual input voltage is over 120V, a DC switch on the PV side and a qualified installer is required.