

# S5-GR1P(0.7-3.6)K-M

Solis Mini Series Inverters



360 degree

## Features:

- ▶ Max. efficiency 97.3%
- ▶ Super high frequency switching technology
- ▶ Wide voltage range and low startup voltage
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager (EPM)
- ▶ Integrated AFCI (DC arc-fault circuit protection)
- ▶ Maximum string input current 12.5A
- ▶ Compact and lightweight
- ▶ Friendly and adaptable connection to the grid



## Model:

- |               |             |
|---------------|-------------|
| S5-GR1P0.7K-M | S5-GR1P1K-M |
| S5-GR1P1.5K-M | S5-GR1P2K-M |
| S5-GR1P2.5K-M | S5-GR1P3K-M |
| S5-GR1P3.6K-M |             |

## Datasheet

Model Name	S5-GR1P0.7K-M	S5-GR1P1K-M	S5-GR1P1.5K-M	S5-GR1P2K-M	S5-GR1P2.5K-M	S5-GR1P3K-M	S5-GR1P3.6K-M
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### Input DC

Recommended max. PV power	0.9 kW	1.2 kW	1.8 kW	2.3 kW	3 kW	3.5 kW	4 kW
Max. input voltage	600 V						
Rated voltage	200 V			330 V			
Start-up voltage	60 V			90 V			
MPPT voltage range	50-500 V			80-500 V			
Max. input current	12.5 A						19 A
Max. short circuit current	17.2A						30 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	0.8 kVA	1.1 kVA	1.7 kVA	2.2 kVA	2.8 kVA	3.3 kVA	3.6 kVA
Max. output power	0.8 kW	1.1 kW	1.7 kW	2.2 kW	2.8 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	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A	16 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)						
THDi	<3%						

### Efficiency

Max. efficiency	96.6%		96.6%	97.1%	97.1%		97.3%
EU efficiency	95.3%		95.4%	96.6%	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						
Integrated AFCI (DC arc-fault circuit protection)	Yes*						
Integrated DC switch	Optional						

### General Data

Dimensions (W*H*D)	310*373*160 mm						
Weight	7.4 kg				7.7 kg		
Topology	Transformerless						
Self consumption (night)	<1 W						
Operating ambient temperature range	-25 ~ +60°C						
Relative humidity	0-100%						
Ingress protection	IP65						
Cooling concept	Natural convection						
Max. operation altitude	2000 m						
Grid connection standard	G98 or 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, MEA, PEA						
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						
Communication	RS485, Optional: Wi-Fi, GPRS						

\* Activation required.