

S5-GR3P(5-10)K-LV/BE

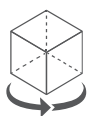
Solis Three Phase Inverters

>> Models:

S5-GR3P5K-LV

S5-GR3P6K-LV

S5-GR3P10K-LV-BE



360° View



Efficient

- Max. efficiency 98.0%
- String current up to **16A**
- Wide voltage range and low startup voltage

Smart

- Supports export power control
- Supports RS485, WiFi, GPRS
- Scan to register on SolisCloud, supports remote upgrade and control

Safe

- IP66
- AFCI protection, proactively reduces fire risk
- Automatic voltage stabilization technology in weak grid conditions

Economic

- Compact design, simple installation and maintenance
- > 150% DC/AC ratio
- Supports high power modules for lower installation costs

DATASHEET

S5-GR3P(5-6)K-LV/BE

Models	5K-LV	6K-LV	10K-LV-BE
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Input DC

Recommended max. PV power	7.5 kW	9 kW	15 kW
Max. input voltage	1100 V		
Rated voltage	330 V		
Start-up voltage	180 V		
MPPT voltage range	160-500 V		
Max. input current	16 A / 16 A		32 A / 32 A
Max. short circuit current	20 A / 20 A		40 A / 40 A
MPPT number/Max. input strings number	2/2		2/4

Output AC

Rated output power	5 kW	6 kW	10 kW
Max. apparent output power	5.5 kVA	6.6 kVA	10 kVA
Max. output power	5.5 kW	6.6 kW	10 kW
Rated grid voltage	3/(N)/PE, 208 V / 220 V / 240 V		3/(N)/PE, 230 V
Rated grid frequency	50 Hz		
Rated grid output current	13.1 A	15.7 A	25.1A
Max. output current	14.4 A	16.7 A	25.1A
Power factor	>0.99 (0.8 leading - 0.8 lagging)		
THDi	<2%		

Efficiency

Max. efficiency	98.0%
EU efficiency	97.5%

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 ⁽¹⁾
Integrated DC switch	Optional

General Data

Dimensions (W*H*D)	310*563*219 mm	
Weight	17.8 kg	20 kg
Topology	Transformerless	
Self-consumption (night)	<1 W	
Operating ambient temperature range	-25 ~ +60°C	
Relative humidity	0-100%	
Ingress protection	IP66	
Cooling concept	Natural convection	Intelligent redundant fan-cooling
Max. operation altitude	4000 m	
Grid connection standard	C10/11, 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, NRS 097-2-1, 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	LCD
Communication	RS485, Optional: Wi-Fi, GPRS

(1) Activation required.