

Solis-3P5K-4G-LV

Solis Three Phase Inverters



360 degree

Features:

- ▶ Over 98% Max. efficiency
- ▶ Wide voltage range and low startup voltage
- ▶ 2 MPPT design with precise MPPT algorithm
- ▶ THDi<1.5%, low harmonic distortion against grid
- ▶ Multiple protections levels
- ▶ Intergrated Export Power Manager (EPM)



Model:

220V: Solis-3P5K-4G-LV

Datasheet

Model Name	Solis-3P5K-4G-LV
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Input DC

Recommended max. PV power	6kW
Max. input voltage	1000V
Rated voltage	330V
Start-up voltage	180V
MPPT voltage range	160-500V
Max. input current	11A/11A
Max. short circuit current	17.2A/17.2A
MPPT number/Max. input strings number	2/2

Output AC

Rated output power	5kW
Max. apparent output power	5.5kVA
Max. output power	5.5kW
Rated grid voltage	3/PE, 208/220/240V
Rated grid frequency	50/60Hz
Rated grid output current	13.1A
Max. output current	14.4A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)
THDi	<1.5%

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 DC switch	Optional

General Data

Dimensions (W*H*D)	310*563*219 mm
Weight	18kg
Topology	Transformerless
Self consumption	<1W (night)
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0-100%
Ingress protection	IP65
Cooling concept	Natural convection
Max. operation altitude	4000m
Grid connection standard	VDE-AR-N 4105, VDE V 0124, VDE V 0126-1-1, EN 50549-1/-2, RD 1699, UL1741, UL1741SA, IEE 1547
Safety/EMC standard	IEC 62109-1/-2, IEC 62116, EN 61000-6-1/-2/-3/-4

Features

DC connection	MC4 connector
AC connection	Quick connection plug
Display	LCD, 2x20 Z
Communication	RS485, Optional: Wi-Fi, GPRS