

Solis-3P(5-10)K-4G-LV

Solis Three Phase Inverters



360 degree

Features:

- ▶ Max. efficiency 98%
- ▶ 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 Solis-3P6K-4G-LV
Solis-3P10K-4G-LV

Datasheet

Model Name	Solis-3P5K-4G-LV	Solis-3P6K-4G-LV	Solis-3P10K-4G-LV
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Input DC

Recommended max. PV power	6kW	7.2kW	12kW
Max. input voltage	1000V		
Rated voltage	330V		
Start-up voltage	180V		
MPPT voltage range	160-500V		
Max. input current	11A/11A		22A/22A
Max. short circuit current	17.2A/17.2A		34.3A/34.3A
MPPT number/Max. input strings number	2/2		2/4

Output AC

Rated output power	5kW	6kW	10kW
Max. apparent output power	5.5kVA	6.6kVA	11kVA
Max. output power	5.5kW	6.6kW	11kW
Rated grid voltage	3/PE, 208/220/240V		
Rated grid frequency	50/60Hz		
Rated grid output current	13.1A	15.7A	26.2A
Max. output current	14.4A	16.7A	28.8A
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	19.8kg
Topology	Transformerless	
Self consumption	<1W (night)	
Operating ambient temperature range	-25 ~ +60°C	
Relative humidity	0-100%	
Ingress protection	IP65	
Cooling concept	Natural convection	Intelligent redundant fan-cooling
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
Communication	RS485, Optional: Wi-Fi, GPRS