



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:

Datasheet

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