

## Solis-3P(3-20)K-4G





## Features:

- ► Max. efficiency 98.7%
- ► 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:

Solis-3P3K-4G Solis-3P4K-4G Solis-3P6K-4G Solis-3P8K-4G Solis-3P10K-4G Solis-3P12K-4G Solis-3P15K-4G Solis-3P17K-4G Solis-3P20K-4G

Solis-3P5K-4G Solis-3P9K-4G



Datasheet												
Model Name	Solis-3P3K-4G	Solis-3P4K-4G	Solis-3P5K-4G	Solis-3P6K-4G	Solis-3P8K-4G	Solis-3P9K-4G	Solis-3P10K-4G	Solis-3P12K-4G	Solis-3P15K-4G	Solis-3P17K-4G	Solis-3P20K-4G	
Input DC			,								,	
Recommended max. PV power	3.6kW	4.8kW	6kW	7.2kW	9.6kW	10.8kW	12kW	14.5kW	18kW	20.4kW	24kW	
Max. input voltage						1000V						
Rated voltage						600V						
Start-up voltage	180V											
MPPT voltage range	160-850V											
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	3kW	4kW	5kW	6kW	8kW	9kW	10kW	12kW	15kW	17kW	20kW	
Max. apparent output power	3.3kVA	4.4kVA	5.5kVA	6.6kVA	8.8kVA	9.9KVA	11kVA	13.2kVA	16.5kVA	18.7kVA	22kVA	
Max. output power	3.3kW	4.4kW	5.5kW	6.6kW	8.8kW	9.9KW	11kW	13.2kW	16.5kW	18.7kW	22kW	
Rated grid voltage	3/N/PE, 220/380V, 230/400V											
Rated grid frequency	3/N/PE, 220/380V, 230/400V 50/60Hz											
Rated grid output current	4.6A/4.3A	6.1A/5.8A	7.6A/7.2A	9.1A/8.7A	12 2A/11 5A		15 2A/14 4A	18 2A/17 3A	22 8A/21 7A	25.8A/24.6A	30 4A/28 9A	
Max. output current	4.7A	6.4A	7.9A	9.5A	12.7A	14.3A	15.9A	19.1A	23.8A	27A	31.8A	
Power Factor										31.0A		
THDi	>0.99 (0.8 leading - 0.8 lagging) <1.5%											
Efficiency	<1.5%											
Max. efficiency	98.3%							98.7%				
EU efficiency	98.3%							98.1%				
Protection		51.	0 70					30.170				
DC reverse-polarity protection						Vos						
Short circuit protection	Yes											
	Yes											
Output over current protection	Yes											
Surge protection  Grid manitoring	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)					31	.0*563*219 n	nm					
Weight	17.3kg			18kg			18.9kg		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									oling		
Max. operation altitude	400m											
Grid connection standard	VDE-AR-N 4105, VDE V 0124, VDE V 0126-1-1, UTE C15-712-1, NRS 097-1-2, G98, G99, EN 50549-1/-2, RD 1699, UNE 206006, UNE 206007-1, IEC 61727											
Safety/EMC standard				IEC 62	2109-1/-2, IE	C 62116, EN	61000-6-1/-2	2/-3/-4				
Features												
DC connection					M	IC4 connect	or					
AC connection	Quick connection plug											
Display	LCD											
Communication		RS485, Optional: Wi-Fi, GPRS										