



Solis-1P(3-6)K-4G,Solis-1P5K-4G-MX

Solis 4G Single Phase Inverters



Features:

- ▶ Super high frequency switching technology
- ▶ Optional 24-hour load consumption monitoring solution
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ Integrated Export Power Manager(EPM)
- ▶ Complies with Western Power, SA, VIC, QLD, and NSW grid requirements
- ▶ Integrate with adjustable Volt-Watt and Volt-Var function
- ▶ Precise MPPT algorithm
- ▶ Compact and lightweight
- ▶ Optional AFCI function



Model:

Solis-1P3K-4G

Solis-1P3.6K-4G

Solis-1P4K-4G

Solis-1P4.6K-4G

Solis-1P5K-4G

Solis-1P5K-4G-MX

Solis-1P6K-4G



Datasheet

Model Name	Solis-1P3K-4G	Solis-1P3.6K-4G	Solis-1P4K-4G	Solis-1P4.6K-4G	Solis-1P5K-4G	Solis-1P5K-4G-MX	Solis-1P6K-4G
Input DC							
Max. input power	4000W	4800W	5300W	6100W	6700W	6700W	8000W
Max. input voltage				600V			
Rated voltage				330V			
Start-up voltage				120V			
MPPT voltage range				90-520V			
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	3000W	3600W	4000W	4600W	5000W	4999W	6000W
Max. apparent output power	3300VA	4000VA	4400VA	5000VA	5000VA	4999VA	6000VA
Max. output power	3300W	4000W	4400W	5000W	5000W	4999W	6000W
Rated grid voltage	1/N/PE, 230V						
Rated grid frequency	50Hz						
Rated grid output current	13.0A	15.7A	17.4A	20.0A	21.7A	21.7A	27.3A
Max. output current	15.7A	16.0A	21.0A	21.7	21.7A	21.7A	27.3A
Power Factor	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)						
THDi				<3%			
Power control accuracy				<±5%			
Efficiency							
Max. efficiency	97.8%				98.1%		
EU efficiency	97.1%				97.3%		
Protection							
DC reverse-polarity protection				Yes			
Short circuit protection				Yes			
Output over current protection				Yes			
Surge protection (DC/AC)				Yes			
Grid monitoring				Yes			
Islanding protection				Yes			
Temperature protection				Yes			
Integrated DC switch				Optional			
General Data							
Dimensions (W*H*D)	310mm*543mm*160mm						
Weight	11.5kg						
Topology	Transformerless						
Self consumption	<10W (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	AS/NZS 4777.2						
Safety/EMC standard	IEC 62109-1/-2, IEC62116 ,EN 61000-6-2/-3						
Features							
DC connection	MC4						
AC connection	IP67 Rated plug						
Display	LCD, 2×20 Z.						
Communication	4 pins RS485 connector						