

# 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
<b>Input DC</b>							
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						
<b>Output AC</b>							
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%						
<b>Efficiency</b>							
Max. efficiency	97.8%			98.1%			
EU efficiency	97.1%			97.3%			
<b>Protection</b>							
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						
<b>General Data</b>							
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						
<b>Features</b>							
DC connection	MC4						
AC connection	IP67 Rated plug						
Display	LCD, 2x20 Z.						
Communication	4 pins RS485 connector						