

# Solis-3P5K-4G-AU

Solis 4G Three Phase Inverters



## Features:

- ▶ Solis 3P 4G Three Phase Range
- ▶ 160V-850V MPPT voltage range- ultra low startup
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ THDi<1.5%, low harmonic distortion against grid
- ▶ Over 98.3% Max. efficiency
- ▶ Multiple protections functions
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-plus access to Android and Apple apps



## Model:

Solis-3P5K-4G-AU

## Datasheet

Model Name	Solis-3P5K-4G-AU
<b>Input DC</b>	
Max. DC input power(kW)	10
Max. DC input voltage(V)	1000
Nominal DC voltage(V)	600
Start-up voltage(V)	180
MPPT voltage range(V)	160-850
Max. input current(A/B)	22A+11A
Max. Short Circuit current for each MPPT	34.3A+17.2A
MPPT number/ Max input strings number	2/2
<b>Output AC</b>	
Rated output power(kW)	5
Max. apparent output power(kVA)	5.5
Rated grid voltage(V)	400
Rated grid frequency(Hz)	50/60
Operation phase	Three Phase
Rated grid output current(A)	7.2
Max. output current(A)	7.9
Power Factor (at rated output power)	0.8leading ... 0.8lagging
THDi (at rated output power)	<1.5%
<b>Efficiency</b>	
Max. efficiency	98.3%
EU efficiency	97.8%
MPPT efficiency	>99.5%
<b>Protection</b>	
DC reverse-polarity protection	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
Surge protection	Yes
Grid monitoring	Yes
Islanding protection	Yes
<b>General Data</b>	
Dimensions(mm)	563*310*219mm
Weight (kg)	18.9
Topology	Transformerless
Self consumption (night)	<1W (Night)
Operating ambient temperature range	-25~60°C
Relative humidity	0~100%
Ingress protection	IP65
Noise emission(typical)	<60 dBA
Cooling concept	Intelligent fan-cooling
Max. operation altitude	4000m
Grid connection standard	EN50549, AS4777, VDE0126-1-1, IEC61727, G98, G99
Safety/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4
<b>Features</b>	
DRM	Yes
DC connection	MC4
AC connection	Terminal connectors
Display	LCD, 2x20 Z.
Communication connections	4 Pin RS485 connector
Monitoring	WiFi or GPRS
Warranty	5 years (extend to 20 years)