

Solis-3P6K-4G

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 levels
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available - plus access to Android and Apple apps



Model:

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Datasheet

Model Name	Solis-3P6K-4G
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Input DC

Max. DC input power(kW)	7.2
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)	11A+11A
Max. Short Circuit current for each MPPT	17.2A+17.2A
MPPT number/Max input strings number	2/A:1; B:1

Output AC

Rated output power(kW)	6
Max. apparent output power(kVA)	6.6
Rated grid voltage(V)	400
Rated grid output current(A)	8.7
Max. output current(A)	9.5
Power Factor (at rated output power)	0.8leading ... 0.8lagging
THDi (at rated output power)	<1.5%

Efficiency

Max. efficiency	98.3%
EU efficiency	97.8%
MPPT efficiency	>99.5%

Protection

DC reverse-polarity protection	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
Surge protection	Yes
Islanding protection	Yes
Integrated DC switch	Optional

General Data

Dimensions (mm)	310W*563H*219D
Weight (kg)	17.3
Topology	Transformerless
Self consumption (night)	<1W (Night)
Operating ambient temperature range	-25~60°C
Relative humidity	0~100%
Ingress protection	IP65
Noise emission(typical)	<30 dBA
Cooling concept	Natural convection
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

Features

DC connection	MC4
AC connection	Terminal connectors
Display	LCD, 2×20 Z.
Communication connections	4 Pin RS485 connector
Monitoring	WiFi or GPRS
Warranty	5 Years /10 Years /15 Years /20 Years