

Solis-3P10K-4G

Solis 4G Three Phase Inverters



Features:

- ▶ Over 98.7% Max. efficiency
- ▶ Wide voltage range and low startup voltage
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ THDi<1.5%, low harmonic distortion against grid
- ▶ Multiple protections levels
- ▶ Intergrated Export Power Manager(EPM)



Model:

Solis-3P10K-4G

Datasheet

Model Name	Solis-3P10K-4G
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Input DC

Max. input power	12kW
Max. input voltage	1000V
Rated voltage	600V
Start-up voltage	180V
MPPT voltage range	160-850V
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	10kW
Max. apparent output power	11kVA
Max. output power	11kW
Rated grid voltage	3/N/PE, 220/380V, 230/400V
Rated grid frequency	50Hz/60Hz
Rated grid output current	15.2A/14.4A
Max. output current	15.9A
Power Factor	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)
THDi	<1.5%

Efficiency

Max. efficiency	98.7%
EU efficiency	98.1%

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*563mm*219mm
Weight	18kg
Topology	Transformerless
Self consumption	<1W (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	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, EC61727
Safety/EMC standard	IEC 62109-1/-2, IEC62116, EN 61000-6-1/-2/-3/-4

Features

DC connection	MC4
AC connection	Terminal connectors
Display	LCD, 2x20 Z.
Communication	RS485; WiFi/GPRS (optional)