

Solis-30K

Solis Three Phase Inverters



Features:

- ▶ Over 98.6% Max. efficiency
- ▶ Wide voltage range and low startup voltage
- ▶ 7.0" LCD color screen display
- ▶ Four MPPT design with precise MPPT algorithm
- ▶ Compact and light design, easy installation
- ▶ Optional AFCI function



Model:

400V: Solis-30K

Datasheet

Model Name	Solis-30K
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Input DC

Max. input power	36kW
Max. input voltage	1000V
Rated voltage	600V
Start-up voltage	350V
MPPT voltage range	200-800V
Max. input current	4*18A
Max. Short Circuit current	4*23.4A
MPPT number/Max. input strings number	4/8

Output AC

Rated output power	30kW
Max. apparent output power	33kVA
Max. output power	33kW
Rated grid voltage	3/N/PE, 220/380V, 230/400V
Rated grid frequency	50Hz/60Hz
Rated grid output current	45.5A/43.3A
Max. output current	50A
Power Factor	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)
THDi	<3%

Efficiency

Max. efficiency	98.6%
EU efficiency	98.3%

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)	530mm*700mm*356.5 mm
Weight	58.2kg
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, IEC61727, DEWA
Safety/EMC standard	IEC 62109-1/-2, IEC62116, EN 61000-6-1/-2/-3/-4

Features

DC connection	MC4
AC connection	Terminal connectors
Display	7.0"LCD color screen display
Communication	RS485;WiFi / GPRS (optional)