



solis-10K-LV inverter



Leading Features

- ▶ Three phase output
- ▶ Over 97.2% Max. efficiency
- ▶ The voltage can be as low as 180V
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ Compact and light design for one-person easy installation
- ▶ Especially suitable for the LV grid area like north America
- ▶ IP65, visually pleasing for domestic environment
- ▶ RS 485, WiFi/GPRS (optional) interface
- ▶ Numerous protection functions
- ▶ WiFi and monitoring app available
- ▶ 5 years standard warranty, 10 years optional upgrade

Model	Solis-10K-LV
Input Side (DC)	
Max. input power	11kW
Max. input voltage	600V
Start-up input voltage	170V
MPPT voltage range	150-500V
Max. input current	18A+18A
MPPT number/Max. input strings number	2/2
Output Side (AC)	
Rated output power	10kW
Max. transient power	10kW
Rated grid voltage	208/220/240V
Grid voltage range	180~270V(adjustable)
Rated grid frequency	50/60Hz
Operating phase	Three
Max. output current	25A
Power factor	0.8 leading ... 0.8 lagging
Total harmonic distortion (THDi)	<3%
DC injection current	<50mA
Grid frequency range	47-52Hz or 57-62Hz(adjustable)
Efficiency	
Max. efficiency	97.2%
EU efficiency	96.2%
MPPT efficiency	99.9%
Protection	
DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Output over voltage protection	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
Surge protection	Yes
Grid monitoring	Yes
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions	430W*613H*269D(mm)
Weight	30kg
Topology	Transformerless
Self consumption	<1W(Night)
Operating ambient temperature range	-25°C~60°C
Ingress protection	IP65
Noise emission(typical)	<30 dBA
Cooling concept	Natural convection
Max. operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G59/3, AS4777, VDE0126-1-1, IEC61727
Relative humidity	0~100%
Safety/EMC standard	EN61000-6-1:2007; EN61000-6-3:2007 IEC62109-1/-2; AS3100
Features	
DC connection	Original MC4 Connector
AC connection	IP67 rated plug
Display	LCD, 2 x 20 Z.
Interface	RS 485, WiFi/GPRS (optional)
Warranty	5~10 Years