



solis -10K inverter



Leading Features

- ▶ Three phase output
- ▶ Over 97.5% Max. efficiency
- ▶ 300V – 800V input voltage range
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ Compact and light design for one-person easy installation
- ▶ 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
Input Side	
Max. DC input voltage	1000V
Start-up DC input voltage	330V
MPPT operating range	300-800V
Rated DC voltage	400V
Max. DC input current	15A+15A
Number of MPP/Max strings per MPPT	2/2
Output Side	
Rated output power	10kW
Max. transient power	11kW
Rated AC grid voltage	380V/400V/480V
AC grid voltage range	313~470V(adjustable)
Operating phase	three
Rated AC grid output current	15.2A/14.5A/12.0A
Max. AC output current	16.7A/16.0A/13.2A
Output power factor	>0.99
Grid current THD	Total THD<4%
DC injection current	<20mA
Rated grid frequency	50/60Hz
Efficiency	
Max. efficiency	>97.5%
Euro efficiency	>96.5%
MPPT efficiency	>99.9%
Protection	
DC reverse-polarity protection	Yes
AC short circuit protection	Yes
AC output overcurrent protection	Yes
Output overvoltage protection-Varistor	Yes
Ground fault monitoring	Yes
Grid monitoring	Yes
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Size	430W*600H*220D(mm)
Weight	27kg
Topology	Transformerless
Internal consumption	<1W(Night)
Running temperature	-25°C~60°C
Ingress protection	IP65
Operating range utility frequency (Hz)	47-52 or 57-62(adjustable)
Noise emission(typical)	<30 dBA
Cooling concept	Natural convection
Max.operating altitude without derating	2000m
Designed lifetime	>20 years
Utility monitoring	Islanding protection V_{ac} , F_{ac} in accordance with UL 1741, G59/2, AS4777, VDE 0126-1-1
Operating surroundings humidity	0~95%
EMC	EN61000-6-1:2007 EN61000-6-3:2007
Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD, 2 x 20 Z.
Interface	RS 485, WiFi/GPRS (optional)
Warranty	5-10 Years