

# SOLIS

## 15K INVERTER



### LEADING FEATURES.

- Three phase output
- Over 98.3% Max. Efficiency
- 200V-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 monitoring app available
- 5 years standard warranty, 10 years optional upgrade

MODEL	SOLIS 15K
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Input Side (DC)	
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Max. input power	17.2kW
Max. input voltage	1000V
Start-up input voltage	330V
MPPT voltage range	200-800V
Max. input current	18A+18A
MPPT number/Max. input strings number	2/4

MODEL SOLIS 15K	
<b>Output Side (AC)</b>	
Rated output power	15kW
Max. Transient power	16.5kW
Rated grid voltage	380/400V
Grid voltage range	313~470V(adjustable)
Rated grid frequency	50/60Hz
Operating phase	Three
Max. output current	25.1A
Power factor	>0.99
Total harmonic distortion (THDi)	<3%
DC injection current	<50mA
Grid frequency range	47-52Hz or 57-62Hz(adjustable)

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

MODEL SOLIS 15K	
<b>Efficiency</b>	
Max. efficiency	98.3%
EU efficiency	97.5%
MPPT efficiency	99.9%

General data	
Dimensions	430W*600H*220D(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	2000m
Designed lifetime	>20 years
Grid connection standard	CGC, G59/3, AS4777, VDE0126-1-1, NB/T32004
Relative humidity	0-95%
Safety/EMC standard	EN61000-6-1:2007; EN61000-6-3:2007 IEC62109-1/2; AS3100;NB/T 32004

Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD, 2X20 Z
Interface	RS 485, WiFi/GPRS (optional)
Warranty	5-10 Years