A More Sustainable Future



Introduction

This series of product is a module design of inverter and built-in MPPT controller, which has the advantages of high conversion efficiency, low power consumption and strong load-carrying ability. With intelligent control, customers can set charging mode, (Utility as complementary power) AC first mode or DC first mode, timed inversion mode and timed utility mode, timed on/off sleep mode. This is the currently the most advanced inverter & controller hybrid in the world.

Application

1. Off-grid solar power system
2. Solar power system with utility as complementary power

Feature

1. Easy to install. To configure a solar system, customers only need to connect it with solar panels and batteries;
2. CPU management ,intelligent control□modular design, User-friendly LCD display;
3. Built-in MPPT controller, high charging efficiency;
4. Low power consumption, high conversion efficiency;
5. Intellectual multifunction, convenient for customers with different using environment to fully use the solar energy;
6. External battery connection, convenient to expand back-up power time;
7. Strong load-carrying ability, low failure rate, easy maintenance and long service life (under proper operation, it may be as long as 5 years);
8. Perfect protection: low voltage protection, over voltage protection, overheat protection, short-circuit protection, overloads protection;
9. CE / EMC / LVD/ RoHS Approvals;
10. Two years warranty, life-long technical supports.

Parameter

Parameter Model	1500W
Rated Output Power	1500W
Peak Power	3000W
Battery (Lead-acid battery□	24V/48V(optional)
Charging Parameter	
Charge Mode□setting□	PV charge
	PV charge + utility charge

MPPT Solar Controller	Voltage	24V/48V
	Current	25A
	Max PV Input Voltage	100V
	PV Charge Efficiency	95%~99%
	Max PV Input Power	24V 710W; 48V 1420W.
Utility	AC Charge Current	0~15A
	Charge Mode	3-Stage Charging
Inversion parameter		
AC Output	Voltage	220V±3% or 230V±3 or 240V±3% or 100V±3% or 110V±3% （optional）
	Frequency	50Hz±0.5 or 60Hz±0.5 （optional）
Output wave type		Pure sine wave output, waveform distortion rate≤3
Overload ability		：120% 1 min, ：130% 10s
Power Consumption (under normal working mode)		0.4A
Power Consumption (under sleep mode)		1-6W
Inverter Conversion Efficiency		85%~92%
Utility Mode		
AC Input	Voltage	220V±35% or 110V+35%（optional）
	Frequency	The same as utility
AC Output	Voltage	220V±5% or 110V+5%（optional）
	Frequency	The same as utility
Overload Ability		：120% 1 min；：130% 10s
(AC first or DC first) priority		
UPS Output（setting）		AC first, DC standby
		DC first, AC standby
Switch Time		：5ms （AC to DC / DC to AC）
Power On （setting）		Set by users
		Timed open / close AC output automatically
General Parameter		
Display	Display Mode	LCD+LED
	Display Information	Input voltage, output voltage, output frequency, battery capacity, Load condition, Status Information
Protection		Overload output, short-circuit, high-voltage input, low-voltage input, overheat
Environment	Temperature	-10℃～50℃
	humidity	10%～90%
	Altitude	≤4000m
Size W×D×H(mm)		438*208*413
Packing Size W×D×H(mm)		520*310*460
Net Weight (kg)		17
Gross Weight (kg)		18

Connection Diagram

Team and Exhibition


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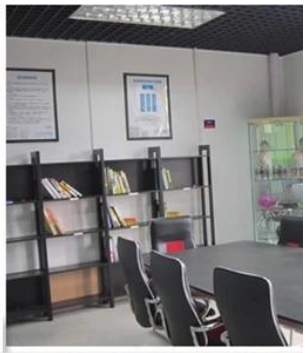


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