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, shortcircuit protection, overloads protection;

9. CE / EMC / LVD/ RoHS Approvals;

10. Two years warranty, life-long technical supports.

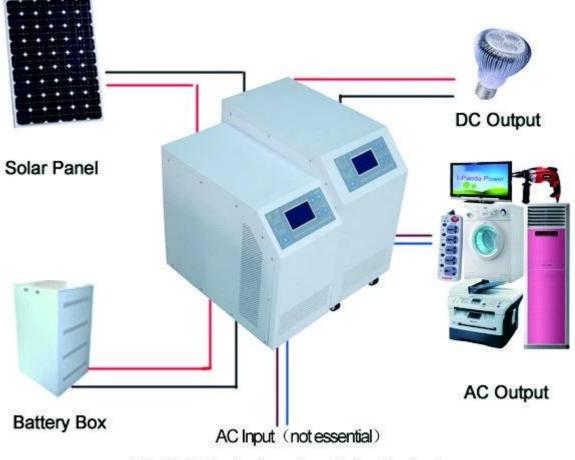
Parameter

Parameter Model		3000W		
Rated Output Power		3000W		
Peak Power		6000W		
Battery				
(Lead-acid battery]		24V/48V(optional)		
Charging Pa	arameter			
Charge Mode[]setting[]		PV charge		
		PV charge + utility charge		
	Voltage	24V/48V		
MPPT Solar Controller	Current	40A		
	Max PV Input Voltage	100V		
	PV Charge Efficiency	95%~99%		
	Max PV Input Power	24V:1136W, 48V: 2272W		
Utility	AC Charge Current	0~15A		
		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,		
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 (AC first or DC first) priority		□120% 1 min□□130% 10s		
LAC TIRE OF D	C first) priority			
UPS Output[]setting[]		AC first, DC standby DC first, AC standby		
Switch Time		5ms [AC to DC / DC to AC]		
Power On		Set by users		
[setting]		Timed open / close AC output automatically		
General Parameter				

Display	Display Mode	LCD+LED
		Input voltage, output voltage, output frequency, battery capacity, Load condition, Status Information
		Overload output, short-circuit, high-voltage input, low-voltage input, overheat
Environment	Temperature	-10°C[]50°C
	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)		25
Gross Weight (kg)		27

Connection Diagram





I-P-HPC-Series Inverter+Solar Controller

Team and Exhibition

