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;

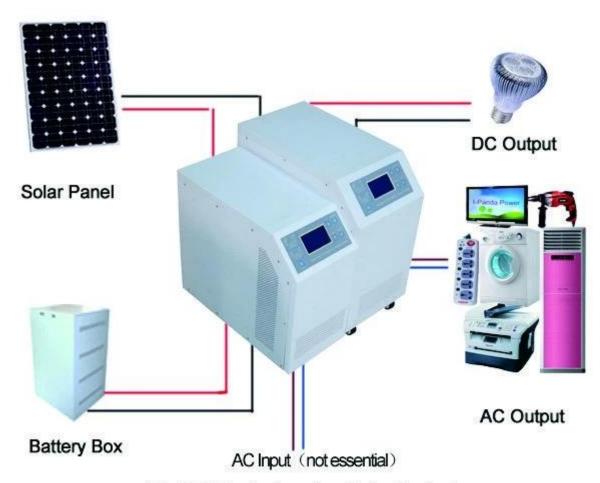
Parameter

		la a a a u v		
Parameter Model		3000W		
Rated Output Power		3000W		
Peak Power		6000W		
Battery		24V/48V(optional)		
(Lead-acid battery ☐				
Charging Pa	arameter			
Charge Mode∏setting∏		PV charge		
		PV charge + utility charge		
	Voltage	24V/48V		
	Current	40A		
	Max PV Input	100V		
	Voltage			
MPPT Solar	PV Charge	95%~99%		
Controller	Efficiency			
	Max PV Input Power	24V:1136W, 48V: 2272W		
	AC Charge	0~15A		
Utility	Current			
		3-Stage Charging		
Inversion p	arameter	I		
	Voltage	220V±3% or 230V±3 or 240V±3% or 100V±3%		
AC Output		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		0.4A		
mode)				
Power Consumption		1-6W		
(under sleep mode)		1-01/		
Inverter Conversion		050/ 020/		
Efficiency		85%~92%		
Utility Mode		1		
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		
	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		
<pre>□setting□</pre>		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 System



I-P-HPC-Series Inverter+Solar Controller

Team and Exhibition

