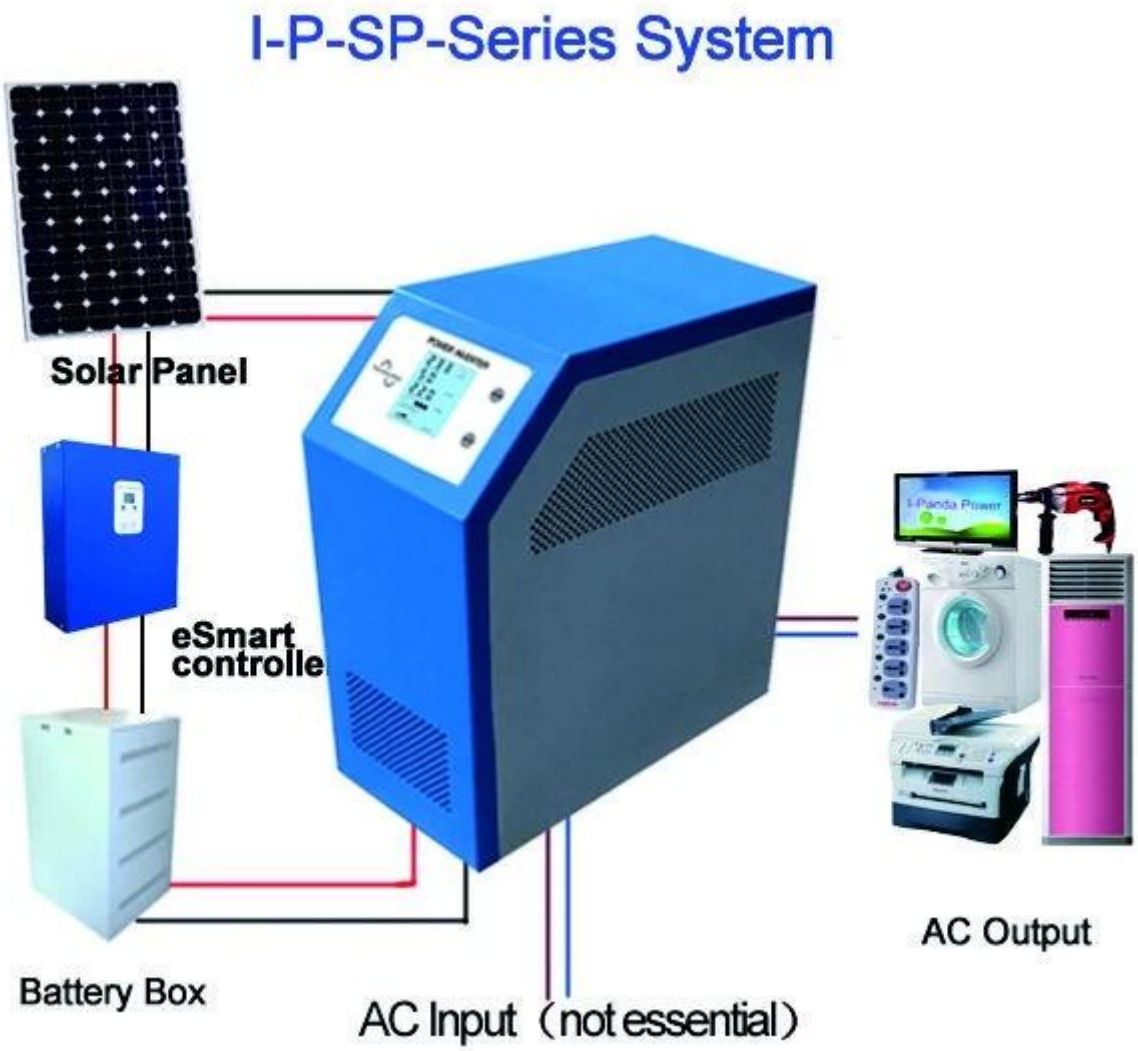
Connection Diagram



Function

1. AVR function

2. AC charge function

3. Inversion mode

1Normal inversion mode

2、Sleeping mode

4.UPS function

1、AC first,DC Backup Mode

2、DC First,AC Backup Mode

Application

1. Back-up UPS system for industrial, commercial, household,etc

2. Mobile power and standby power for areas that are lack of utility.

3. Off-grid solar & wind power system

Features

1. pure sine wave output, full power

2. CPU management and control,modular design

3. LCD display,can visually display various parameters

4. Multifunction design,can set a variety of working mode

5. External battery connection, convenient to expand use time and back-up power time; user can connect as many batteries as needed

6. With super load carrying ability and high load capacity, this series of inverters can not only drive resistance load; but also various kinds of inductive loads, such as motor, air conditioner, electric drills, fluorescent lamp, gas lamp, etc. It can drive almost any kinds of load

7. Low frequency circuit design, good system stability, low failure rate and long service life (under proper operation, it may be as long as 5 years)

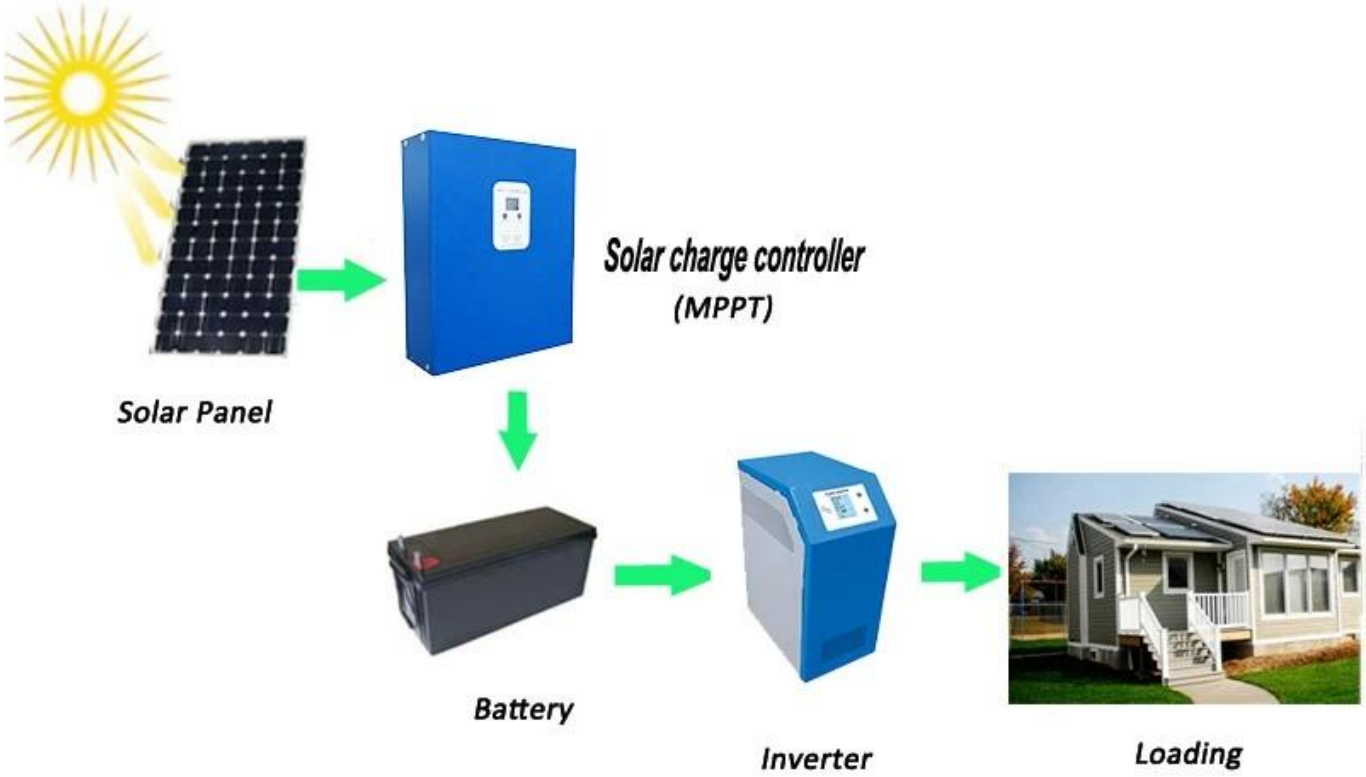
8. Perfect protection: low voltage protection, over voltage protection, overheat protection, short-circuit protection, overloads protection; alarm alert

9. CE / EMC / LVD/ RoHS Approvals

10. Two years warranty, life-long technical supports

Technical parameter

Model		1000VA
Rated Output Capacity		700W
Peak Power		1500W
Battery Voltage(DC)		24V
Size W×D×H(mm)		335*165*375
Packing Size W×D×H(mm)		355*185*395
Net Weight (kg)		12
Gross Weight (kg)		13
General Parameter		
Working Mode （Setting）	1	Utility First, Battery Standby
	2	Sleep Mode,no utility,load’s power higher than 5% of rated power, start to work automatically
	3	Battery first, utility standby
AC Input	Voltage	220V±35% or 110V+35%（optional）
	Frequency	50Hz±3% or 60Hz±3% （optional）
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)
Battery charge	AC Charge Current	0~15A
	Charge Time	Depend on battery capacity and quantity
	Battery Protection	Automatic detection, Charge and discharge protection,Intelligent Management
Display	Display Mode	LCD
	Display Information	Input voltage,output voltage,output frequency,battery capacity,Load condition,Status Information
Output Wave Type		Pure sine wave output,waveform distortion rate≤3
Overload Ability		：120% 1 min,：130% 10s
Power Consumption	Sleep Mode	1~6W
	Normal Mode	1~3A
Conversion Efficiency		80%~90%
Transfer Time		：5ms （AC to DC / DC to AC）
Protection		Overload output,short-circuit,high-voltage input,low-voltage input,overheat
Environment	Temperature	-10℃：50℃
	Humidity	10%：90%
	Altitude	≤4000m


Solar charge controller
(MPPT)
Solar Panel
Battery
Inverter
Loading