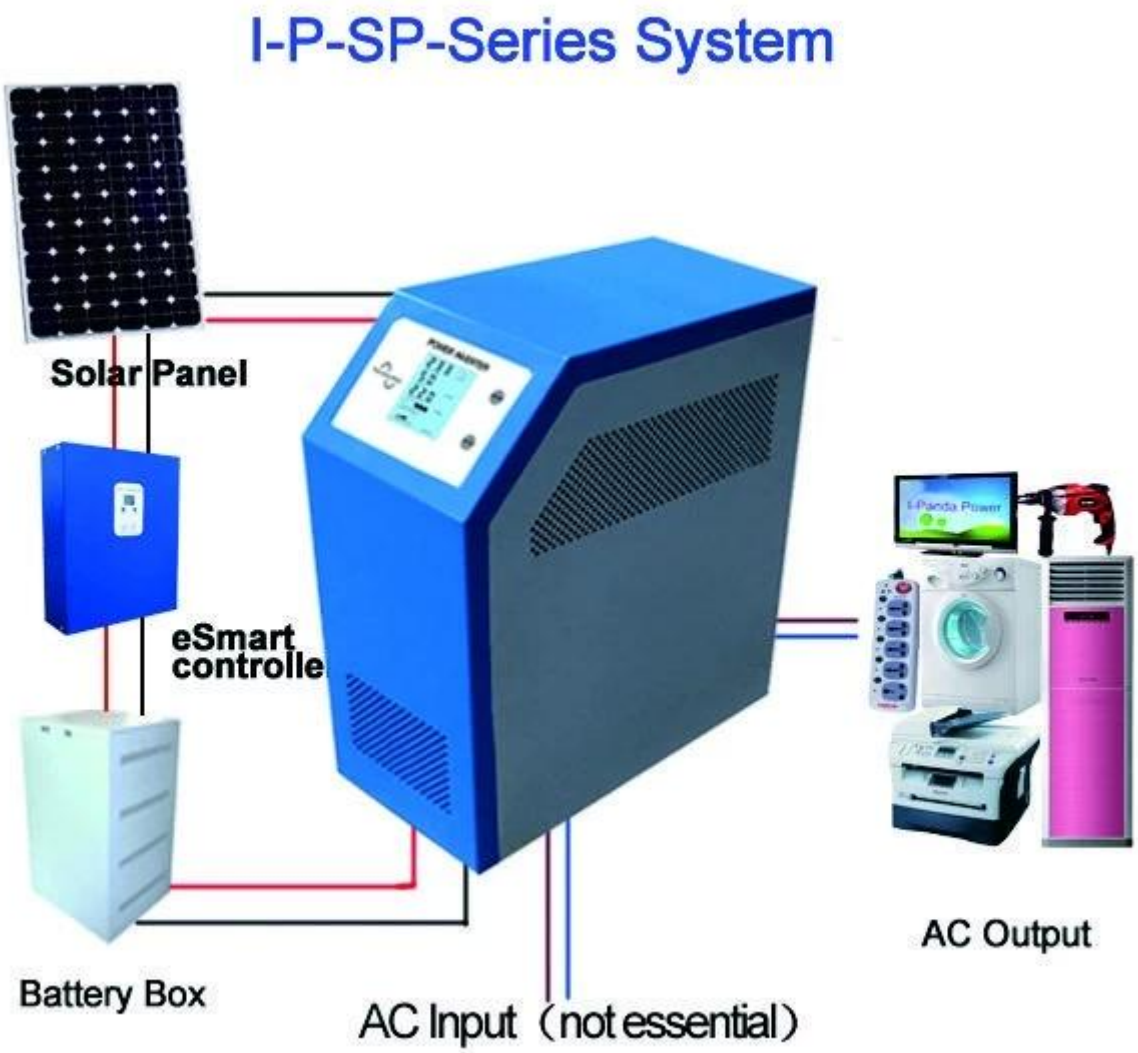
## Connection Diagram




any e-smart mppt solar controller please click here

## 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

## Parameters

| Parameter | | 500VA |
|---|---|---|
| Rated Output Capacity | | 350W |
| Peak Power | | 700W |
| Battery Voltage(DC) | | 12V/24V(optional) |
| Size W×D×H(mm) | | 335*165*375 |
| Packing Size W×D×H(mm) | | 355*185*395 |
| Net Weight (kg) | | 7 |
| Gross Weight (kg) | | 8 |
| General Parameter | | |
| Working Mode | 1 | Utility First, Battery Standby |
| □Setting□ | 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 |

## Products Photos

POWER INVERTER

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RS232
WARNING
AC INPUT
AC OUTPUT 220V