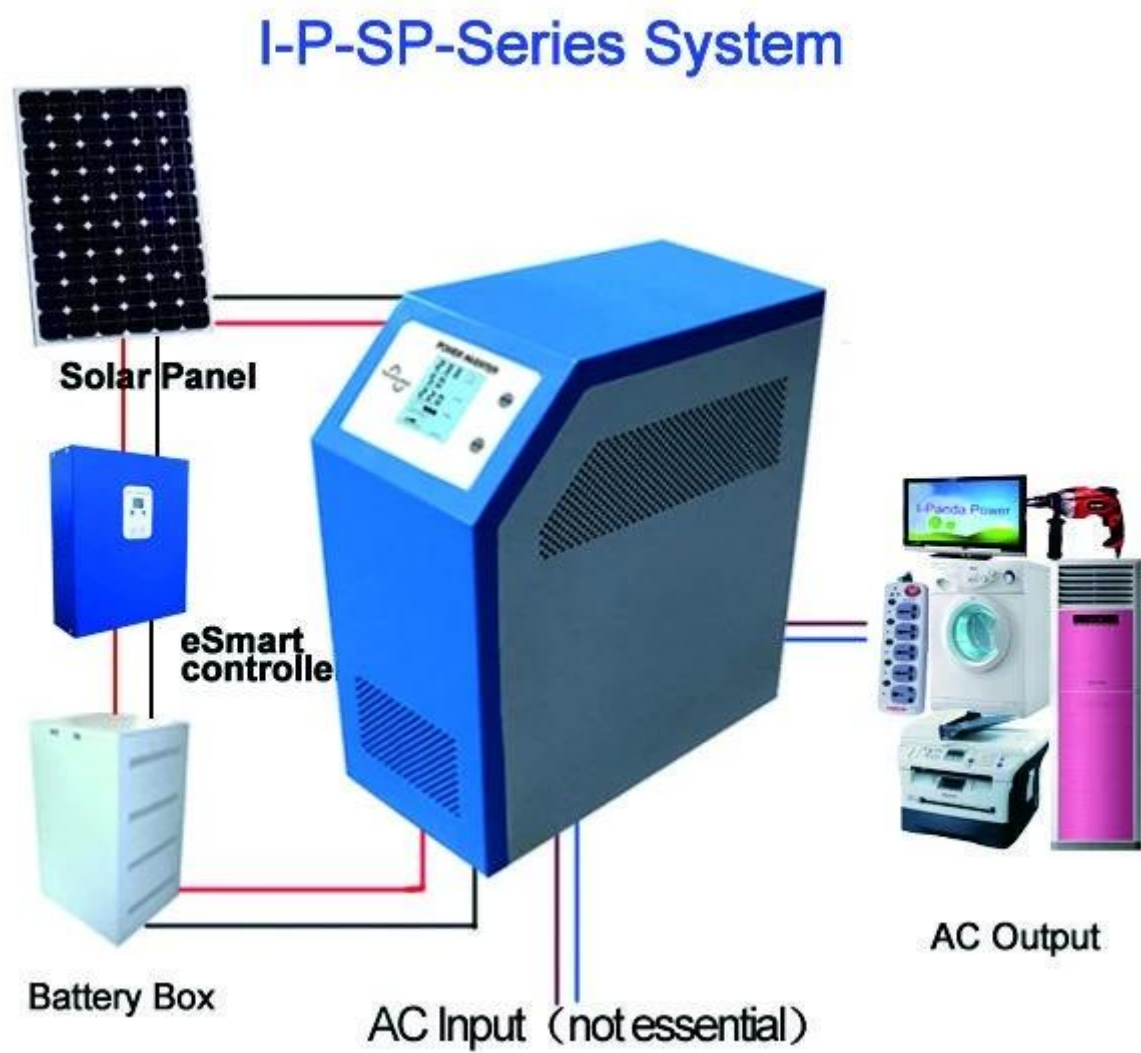


Connection Diagram



Function

1. AVR function
2. AC charge function
3. Inversion mode
 - 1□ Normal 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 waveoutput, full power
2. CPU management andcontrol,modulardesign
3. LCD display,can visually displayvarious parameters
4. Multifunction design,can set a variety ofworking mode
5. External batteryconnection, convenient to expand use time and back-up power time; user canconnect as many batteries as needed
6. With super load carrying ability and high loadcapacity, this series of inverters cannot only drive resistance load; but also various kinds of inductive loads, suchas motor, air conditioner, electric drills, fluorescent lamp, gas lamp, etc. Itcan drive almost any kinds of load
7. Low frequency circuit design, good system stability, low failure rate andlong 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-circuitprotection, overloads protection; alarm alert
9. CE / EMC / LVD/ RoHS Approvals
10. Two yearswarranty, life-long technical supports

Technical parameter

Model	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		$\square 120\%$ 1 min, $\square 130\%$ 10s
Power Consumption	Sleep Mode	1~6W
	Normal Mode	1~3A
Conversion Efficiency		80%~90%
Transfer Time		$\square 5\text{ms}$ $\square \text{AC to DC / DC to AC}$
Protection		Overload output, short-circuit, high-voltage input, low-voltage input, overheat
Environment	Temperature	-10°C \square 50°C
	Humidity	10% \square 90%
	Altitude	$\leq 4000\text{m}$

