

PSP250W- Instruction

1. Supply power to AC 220V Products

1) Connect to AC products

Turn on the AC Output switch

A. Plug the AC product connector to the AC outlet, then turn on the AC Output switch

B. When it supplies power to the AC appliance, people can check the capacity of the battery.

It will raise alert when the reserves of the battery is too low. This will enable the customers have enough time to turn off relevant appliance. Even if you can't turn it off in time, the converter would cut off the power automatically to avoid damage to the battery..

C. Recharge power

2) Interference to electric products

When the sound system is working, it will raise interference sound, which is indicating that some of the sound facilities are unable to filter the square wave from the multi-functional power source. The solution is to supply the power with DC or choose sound facilities with good performance filter.

It would bring some interference to the TV monitor when supplies power to it.

Solution: A. Keep the television away from the multi-function power source

B. Adjust the position of TV, Antenna, Cable and multi-function power

C. Use high quality Antenna

D. The anti-interference performance differs with different kind of television

3) Working time of battery:

Working hour for some of typical AC product when it is fully charged.

AC Product	Rated Power (W)	Hour
Wireless phone	5	37
Household security system	5	37
Radio	8	20
Mobile sound box	10	15
Fluorescent lamp	14	9
Fireplace Fans	20	7
lamp	25	6
Note book computer	40	3.5
13 "TV"	60	2.5

2. Supply power to DC 12V products

1) Importance

THE DC POWER DOES NOT CUT THE LOADING AUTOMATICALLY WHEN LOW ELECTRIC VOLUMN DUE TO DISCHARGE FROM BATTERY. TO PROTECT THE BATTERY .YOU SHOULD TURN ON THE AC OUTLET WHEN IT SUPPLIES DC POWER. AND IT WILL REMIND YOU BY THE ALERT WHEN IT WILL RUN OUT OF ELECTRIC.

2) The working hour of battery for DC products

DC Powered product	power	hour
Mobile phone	6	33
Fluorescent lamp	8	23
DC Machine	10	17
Potable fridge	30	3.5
Coffee pot	85	1
Inflator	100	0.8

3. Assistant start-up of engine to Car & Boat

Direct start for the battery

- 1) Turn off the port-fire of car or boat and other accessories
- 2) the red clamp should be connected with the anode of cable to the anode connection pole of battery in the car
- 3) Connect the other end of anode cable to the anode pole of multi-functional power-pack
- 4) Connect the cathode of cable to the metal part of engine, like piston and Leave the battery as far as possible,
- 5) Connect the other end of cathode cable to the cathode connection pole of multi-function power-pack
- 6) Start the engine

4. charge for the multi-functional power-pack

- 1) charge with AC charger
- 2) charge with Automobile Battery
- 3) charge with 12V DC power
- 4) charge with solar panel

5. Connected to battery for power supply

- 1) Use the red anode clamp of battery to connect the anode connection pole of expansion battery
- 2) Connect the other end of anode cable to the anode connection pole of multi-functional power
- 3) Connect the cathode cable of battery to the cathode connection pole of multi-functional power-pack

6. Main parameter:

12V DC

Incased Battery: Lead-Acid Battery

Voltage: 12V DC

Capacity: 17AH

12V Max loading current (DC continuous output) : 12A

DC overload protector rated current (embedded, restore automatically) : 12A

220V AC

AC output voltage: 220AC

Max AC continuous output power: 250W

Max AC Peak power: 50W

AC Output frequency: 60HZ +/-4

AC output wave: square wave

Battery free-loading leak current : < 0.2A

Working & storage temperature: 0 - 40 C

Low voltage alert: 10.7V

Low voltage cut off: 10.0V

Charge system:

AC Charger (Full charge current) : 3A

Transfer voltage from full charge to float charge (Peak charge voltage) : 14.5V

Transfer voltage from float charge to full charge (charge restart voltage) : 12.9V