



Portable Solar Power System

User Manual

MODEL : SP500A

Thanks a lot for buying our product, please read this instruction carefully before using the appliance

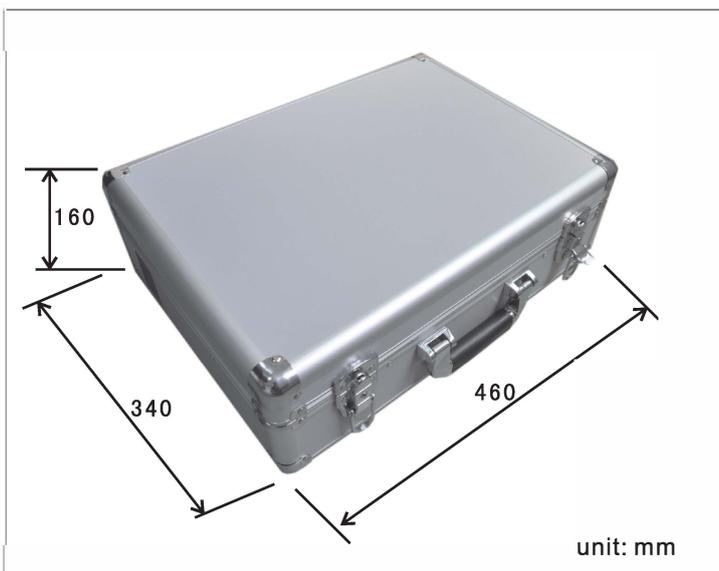
Functions

- 1.The solar power system designed to provide DC power and AC power ,supply for lighting, mobile phone charging, run the DC Fan and Radio, and TV ,computer etc.
- 2.Built-in PWM charge controller, real time display of battery capacity and load status.
- 3.Built-in maintenance-free Lead-acid battery.
- 4.With several output socket, can output voltage DC12V and USB DC5V at the same time.
5. Built-in DC to AC power inverter, can output AC220V/50HZ ,
- 6.Voice warning and together LED indicator shows the battery get low.

Warning:

- High voltage inside, not dispart.
- Avoid collision and impact while moving.
- Keep good ventilation while operation.
- Moistureproof and waterproof
- Keep away form children.

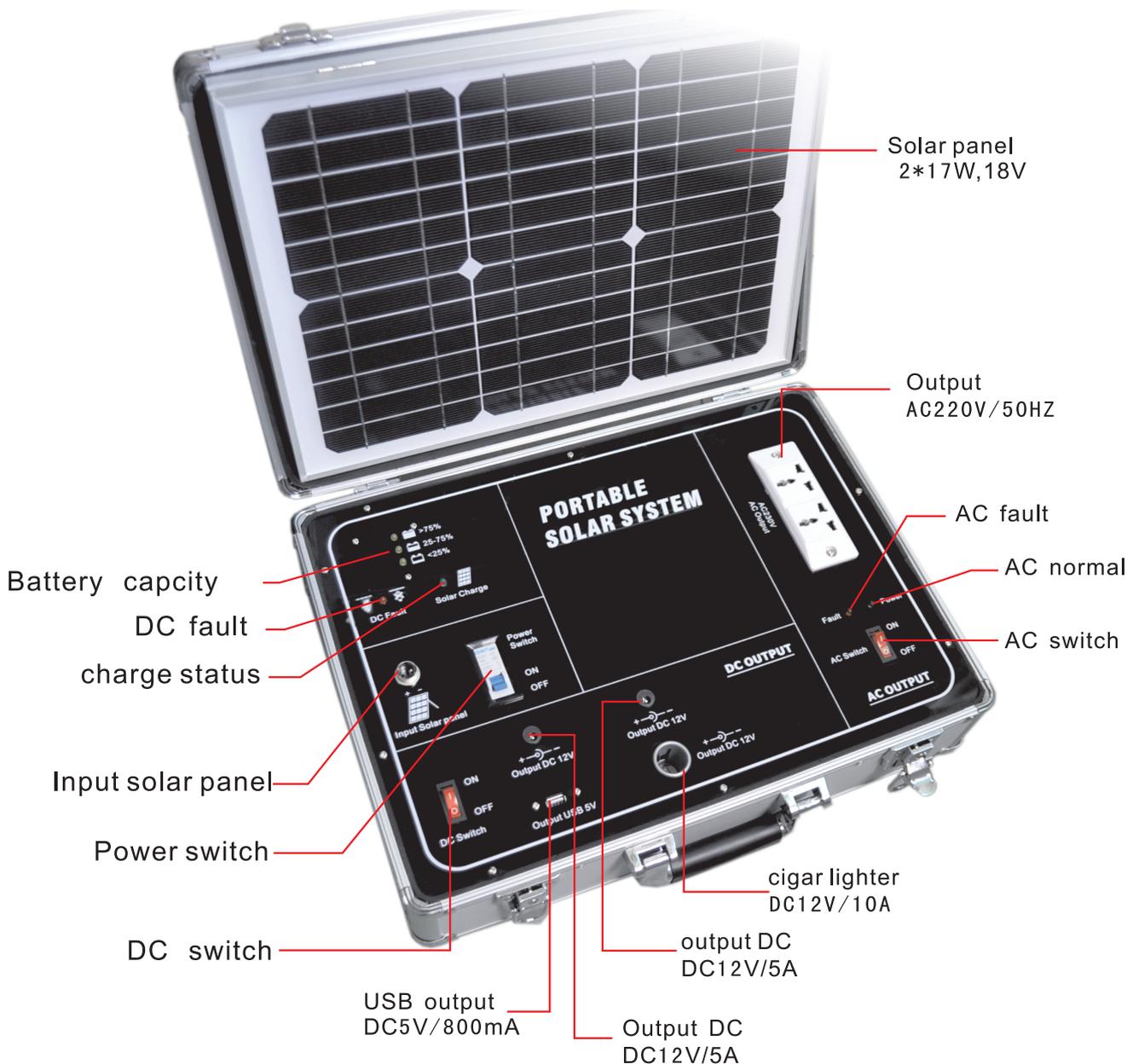
Demension



Attentions

- 1 working process, placed in the correct direction, not tilt and upside down
2. keep the ventilation and waterproof

Part name



operating instructions

solar charge:

The solar panel to access the charging socket. The positive and negative cannot be reversed (the solar panel power<180W, open circuit voltage:17.5V), open the power switch, automatic start charging. The charging process performed by the charger controller, without user intervention.

use load:

DC load: first open the power switch, and open the DC switch, the DC load can be used.

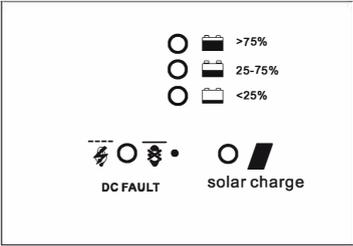
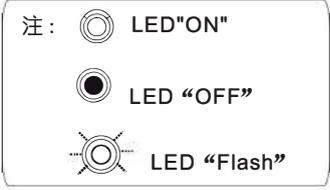
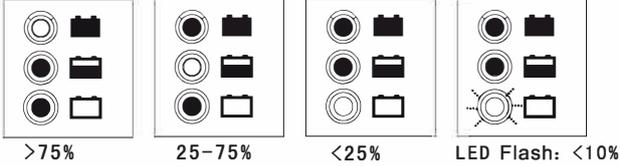
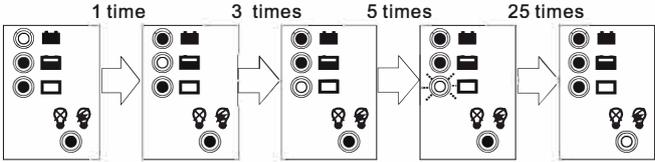
AC load: first open the power switch, and open the AC switch. the AC load can be used.

Attention:

DC load: At the same time the DC load power shall not exceed 120W, May cause the machine to enter the state of over-load protection.

AC load: At the same time the AC load power shall not exceed 500W, may cause the inverter over-load protection. power station mainly use for Resistive load as household lighting, TV, fan, radio and computer. Not suitable for Capacitive load as electric motor, refrigerator, air conditioning, Microwave and ovens.

3. Battery capacity and voice warning

 	Charge status display	 solar charge Charging (LED ON)	 solar charge stop Charge (LED OFF)
	Battery capacity		
	Voice warning	 In 25 consecutive beeps, about 1 minutes the load will be cut off	
	Load status display	 normal output (LED Off)	 Discharge protection (LED ON)

Technical parameters

System voltage	DC12V
Battery capacity	20AH/12V
Max. charge current	10A
Build-in solar panel Power	38W, open circuit voltage: 17.5V
Output voltage	DC output : DC socket: 12V/5A USB output: DC5V/800mA Cigar lighter: DC12V/10A Output AC : AC220V/50HZ
load power	DC Power: <120W (total power) , AC Power: <500W
LVD (Low-voltage dis-connection)	DC load LVD: 11.0V, AC load LVD: 10.0V
DC load re-connect voltage	12.5V
HVD (High-voltage dis-connection)	15.5V
Weight	15kg
Dimension	46*34*16 cm