SINOLTECH®

Solar Power System

User manual

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

Brief descriptions:

1.This generator designed to provide DC and AC power supply for power lighting, mobile phone charging, run the AC Fan etc.

2.Adopt the latest PWM control modulation, real time display of battery capacity and load status.

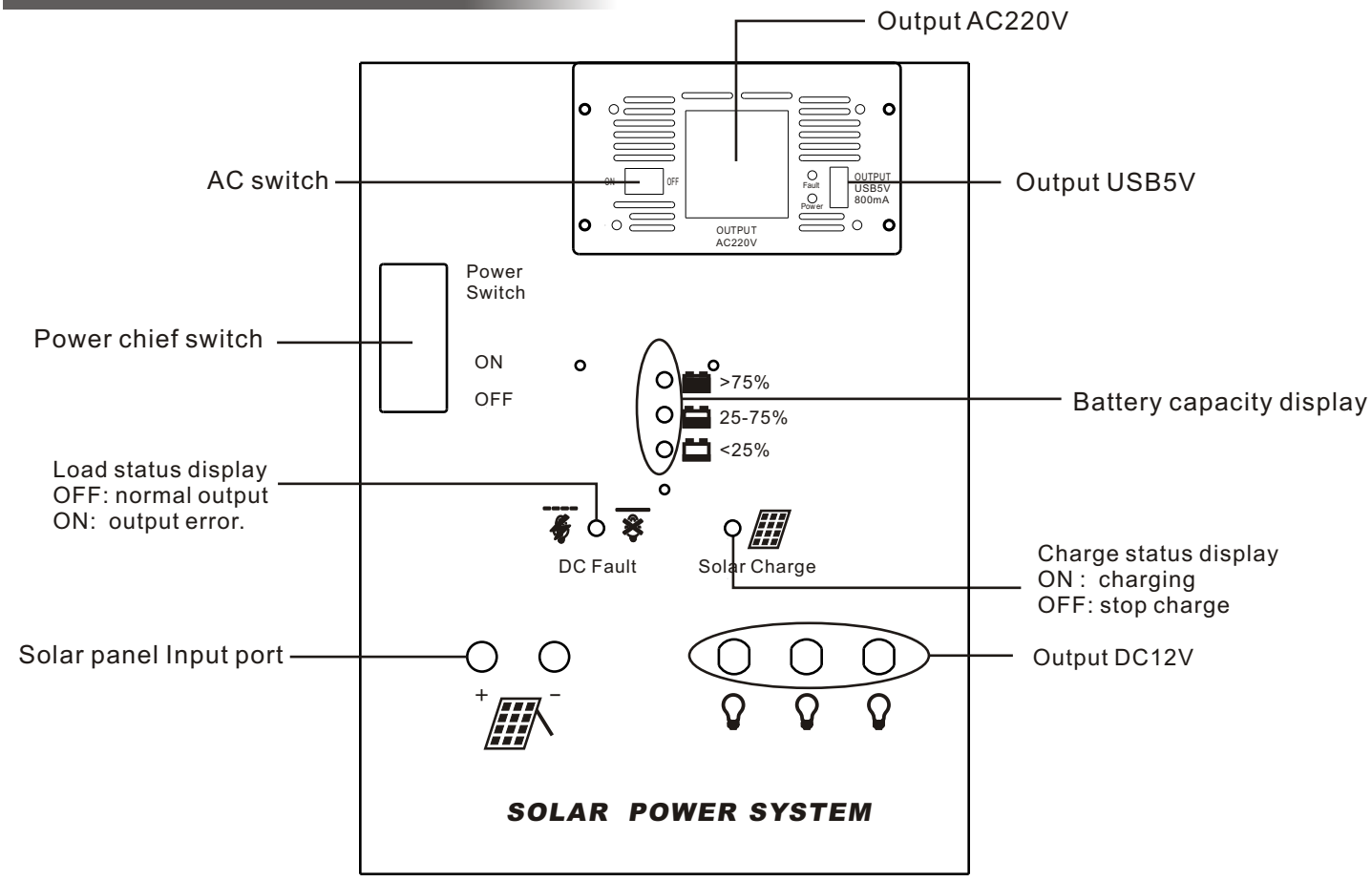
3.Built-in maintenance-free Lead-acid battery.

4.With several output socket, can output voltage DC12V , USB5V and AC220V at the same time.

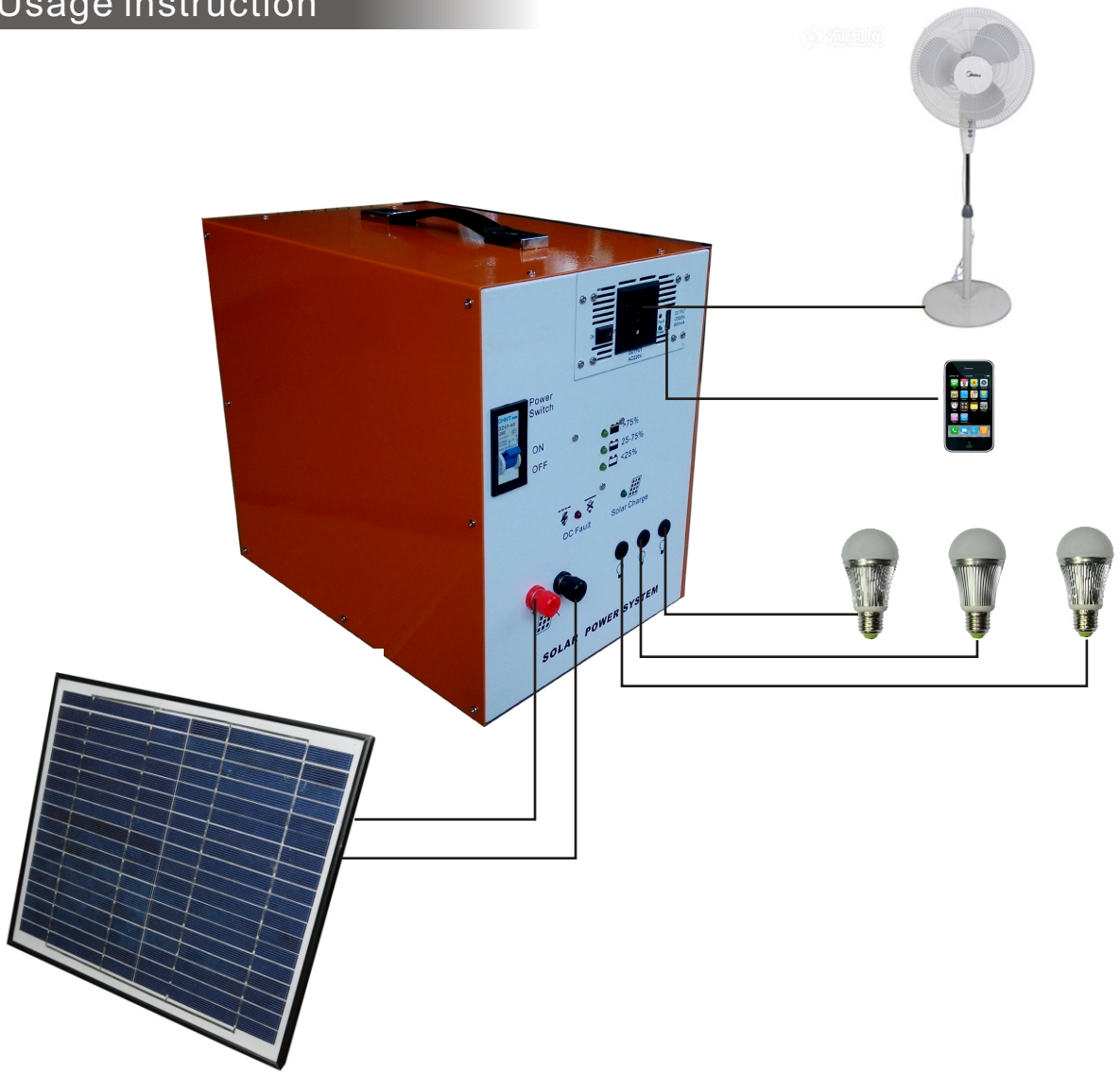
5.It can charged by solar panel

6.Voice warning and together LED indicator shows the battery get low.

Product illustration



Usage instruction



1. Charge for System

As the diagram shows, connect the generator to solar panel(Max150W/17.5V), turn on chief switch, then start the charging.

Adjust the angles of solar panel, it must be place where the panel will receive the most possible sunlight.

2.Load connection:

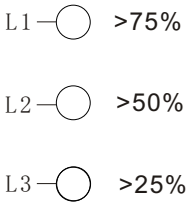
As the diagram shows, insert your direct current appliances to related socket, and please ensure your load power isn't over the related output power. Otherwise it would be lead to the damage of the system

3. Cautions

1. It would be best to charging the generator over 12 hours on first time and second time usage, then bring the battery run on the best status.
2. It should be full charged at least one time one month, for prolong the life of built-in battery.
3. Make sure your load power isn't over the rated output power.
4. Please don't use the system under the low voltage situation oftenly, it would be cause the damage of built-in battery.
5. This is not a toy-------please keep away from children.

LED status and Alarm

Battery capacity and voice warning

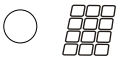


L1	L2	L3	battery capacity
ON	OFF	OFF	>75%
OFF	ON	OFF	>50-75%
OFF	OFF	ON	<25%
OFF	OFF	Flash	<10%

BUZZER WARNING:

L1 (ON) —1 time→ L2 (ON) —3 times→ L3 (ON) —5 times→ L3 (flash) —25 times→ load cut off

Charge status display



Solar charge

ON: charging

OFF: stop charge

Load status display

Load states

OFF: normal output

ON: discharge protection(LVD or HVD),over load

Flash: load short circuit

Troubleshooting:

Trouble/Indication	Possible Cause	Suggestion
Cann't charge for system	1. chief switch turn off 2.polarity reversed or misconnection of solar panel or adaptor.	1. Turn on the power 2.Correct the connection
No load output	1. Thesystem under low voltage 2. The output load short curcuit 3. Overload	1. Full charge generator 2. Replace the output load 3. Decrease the load
short work terms of battery	ageing battery	replace the battery

Parameter

Built-in battery capacity	12V/55AH
Input max.solar panel power	100W/17.5V
Built-in inverter power	500W/AC220V,50hz
Power inverter type:	Modify sine wave
DC output	DC12V/5A(3PCS)
Max. current of USB port	USB5V/800mA
Net weight	20.5kg
Dimension	33×210×30cm
Work temperature	-40～50℃
Protection class	IP52

E: Susan@sinoltech.com, P: 0086 153 1880 7707, Website: www.sinoltech.com, Skype: SINOLTECH
A1-3-712, EAST 8 ENTERPRISE MANSION, DESIGN & CREATIVE INDUSTRIAL AREA, JINAN, CHINA