

# User manual

Portable Solar DC Power Generator

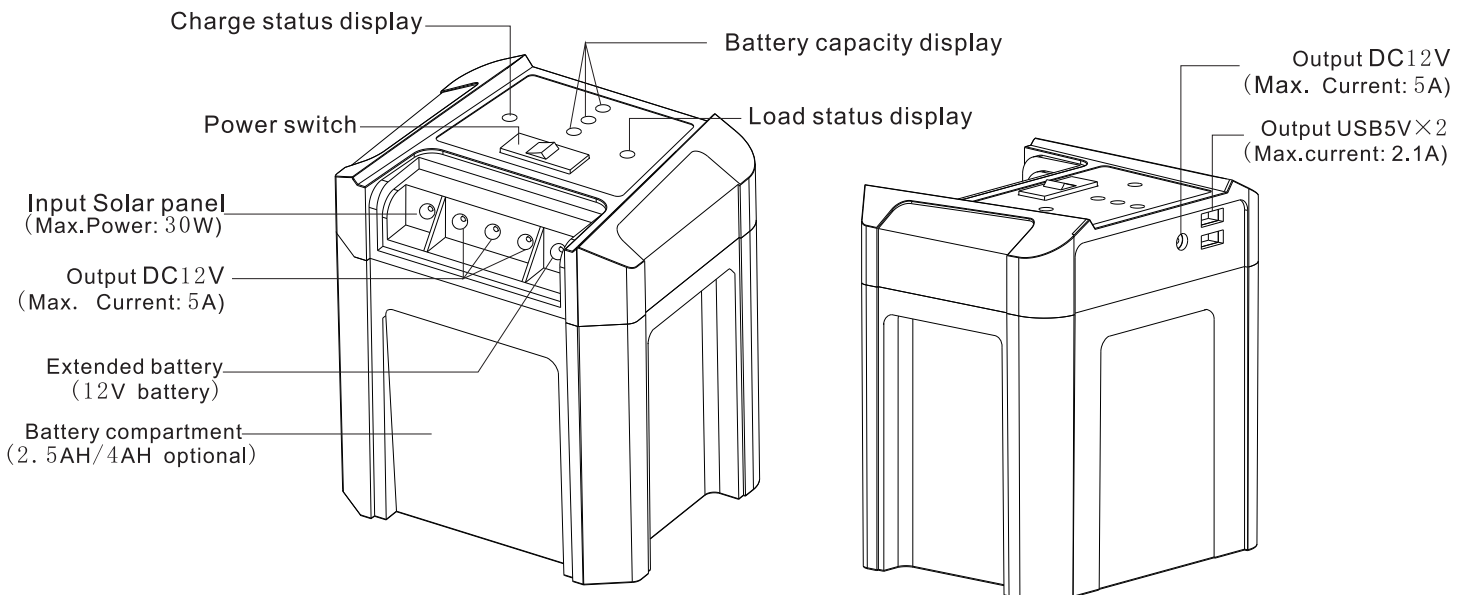
## Model: SP3

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

### Brief descriptions:

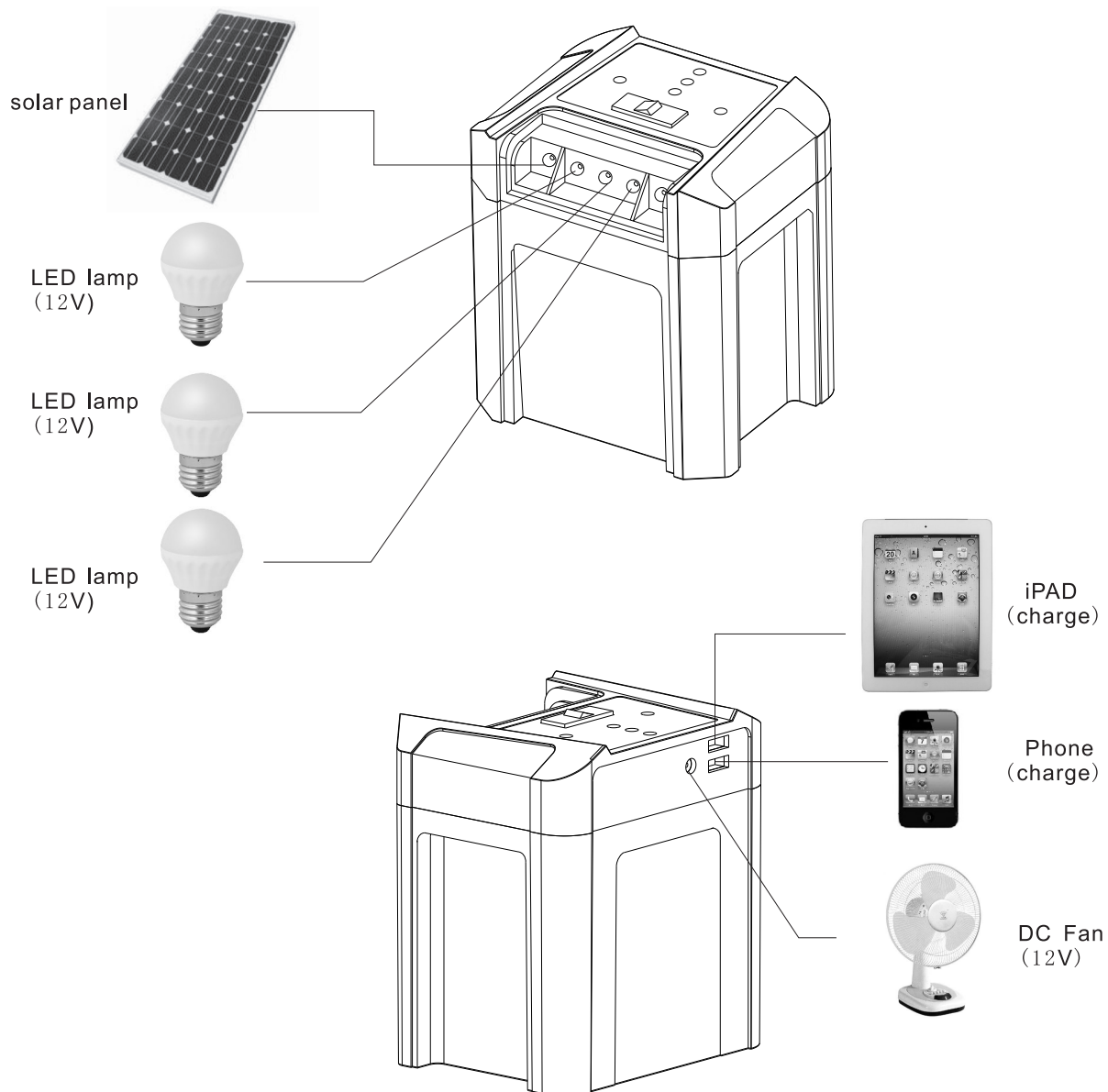
- 1.This generator designed to provide DC power supply for power lighting, mobile phone charging, run the DC Fan and Radio, etc.
- 2.Adopt the latest PWM control modulation, real time display of battery capacity and load status.
- 3.Built-in maintenance-free Lead-acid battery.
- 4.With several output socket, can output voltage DC12V and DC5V 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



# Use instruction

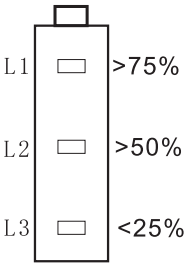
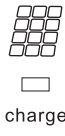
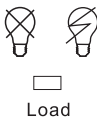
## 1. Connect



## 3. Cautions

1. Charge and discharge must open the power switch
2. 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.
3. It should be full charged at least one time one month, for prolong the life of built-in battery.
4. Make sure your load power isn't over the rated output power.
5. DC output socket for DC2.0mm standard socket, load socket must be equipped with the DC2.0MM
6. Please don't use the generator under the low voltage situation oftenly, it would be cause the damage of built-in battery.
7. This is not a toy-----please keep away from children..

## LED status and Alarm

Battery capacity and voice warning		<table border="1"> <tr> <th>L1</th> <th>L2</th> <th>L3</th> <th>battery capacity</th> </tr> <tr> <td>ON</td> <td>OFF</td> <td>OFF</td> <td>&gt;75%</td> </tr> <tr> <td>OFF</td> <td>ON</td> <td>OFF</td> <td>&gt;50-75%</td> </tr> <tr> <td>OFF</td> <td>OFF</td> <td>ON</td> <td>&lt;25%</td> </tr> <tr> <td>OFF</td> <td>OFF</td> <td>Flash</td> <td>&lt;10%</td> </tr> </table>	L1	L2	L3	battery capacity	ON	OFF	OFF	>75%	OFF	ON	OFF	>50-75%	OFF	OFF	ON	<25%	OFF	OFF	Flash	<10%
		L1	L2	L3	battery capacity																	
ON	OFF	OFF	>75%																			
OFF	ON	OFF	>50-75%																			
OFF	OFF	ON	<25%																			
OFF	OFF	Flash	<10%																			
<p><b>BUZZER WARNING:</b></p> <p>L1 (ON) <math>\xrightarrow{1 \text{ time}}</math> L2 (ON) <math>\xrightarrow{3 \text{ times}}</math> L3 (ON) <math>\xrightarrow{5 \text{ times}}</math> L3 (flash) <math>\xrightarrow{25 \text{ times}}</math> load cut off</p>																						
Charge status display		<p>ON: charging</p> <p>OFF: stop charge</p>																				
Load status display		<p>OFF: normal output</p> <p>ON: discharge protection(LVD or HVD),over load</p> <p>Flash: load short circuit</p>																				

## Troubleshooting:

Trouble/Indication	Possible Cause	Suggestion
Can't charge for generator	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. The generator under low voltage 2. The output load short circuit 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

Mode	SP3
Built-in battery capacity	12V/4AH, 12V/2.5AH(optional)
Solar panel Power	8W/17.5V
Max. charge current	0.45A
Max. discharge current(total)	5A
DC Ouput voltage	DC12V
DC socket	DC2.0mm
USB output voltage	DC5V/2.1A
Extended battery voltage	12V
Dimension	130*110*150mm
Weight	2kg
Work temperature	-20℃-40℃