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## **20W waterproof solar portable power system**

1. Handiness, portability, waterproof designs
2. eco-friendly and energy-efficient, exquisite designs, the product is produced by extremely light compound materials, the materials are up to the national environmental requirements.
3. Apply to outdoor using, household using, mountain area edge, island, frontier station, fish vessel or areas which need the power supply.
4. With intelligent display system, it can indicate the status of battery, charging, mistake, the connection of AC and DC output.
5. With intelligent control, the system is equipped with protections of short circuit, overload, overcharging, over-discharging, and has the functions of preventing reverse connection and recovery by itself.
6. Multimedia ways of charging, the system can be charged by solar panel, AC220V/110V input of utility power and DC18V input.
7. The system can provide AC220V/110V voltage and DC12V/5V voltage for many kinds of low power household electrical appliances, like low power TV set, energy saving lamp, low power fan, laptop, MP3, MP4, IPAD, mobile telephone, digital camera and so on.

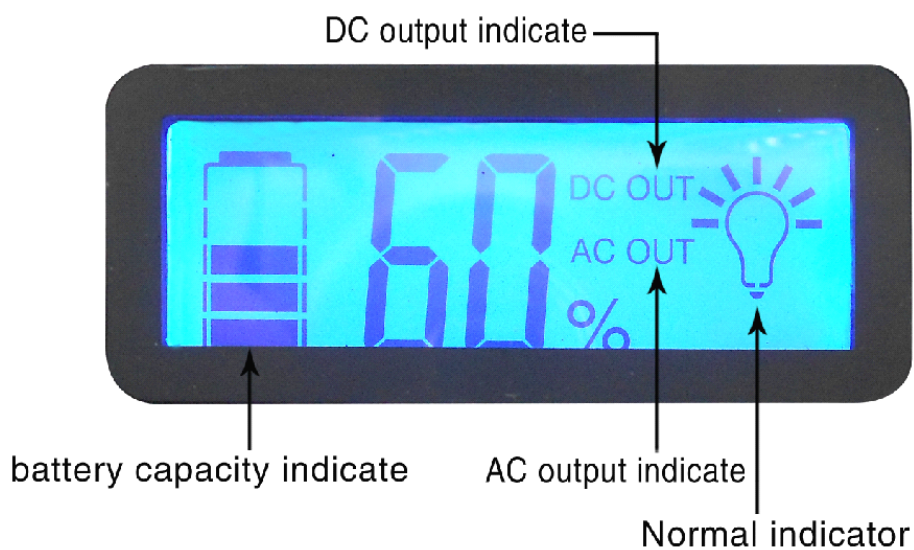
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## user manual



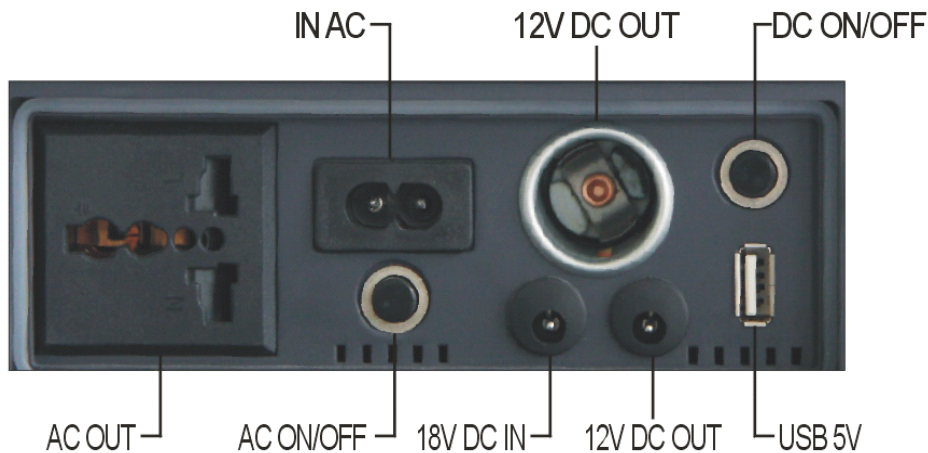
**NOTE:** The rated power is 150W, the optimal working power is 120W.

### Display form:



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## Wiring interface:



## Caution:

Before using it the first time, turn on the master switch, charge the system for 5 hours. When charging for loads or recharging the system by utility power, please open the safety guard. When using the solar charging, please close the safety door.

1. Taking into account dangerous inside voltage, please keep the system away from kids.
2. Avoid repairing or refitting the system in the absence of professional technicians.
3. Recharge battery every 3 months even when the system is not used.
4. Please do not put this system close to fire, high temperatures may cause explosion or combustion. Also do not use it in the water.
5. Keep the system in a cool and dry place when it's unused.

## Parameter:

Solar panel: mono silicon 20W18V

Inverter: sine wave 150W, AC220V, 50HZ

Battery: Li-polymer 12V16000MAH

Controller: 12V10A

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Lighting design: integrated 3W LED

Interface: one for AC220V/110V output,two for DC12V output(light socket and cigar lighter),one for 5V USB output,one for DC18V input and one for AC input.

Solar charging time: about 16 hours

Utility power charging time: about 5 hours.

Weight : 4.9KG

Product size: 400\*310\*105MM

Packaging size: 435\*335\*135MM

## Application Scope



