

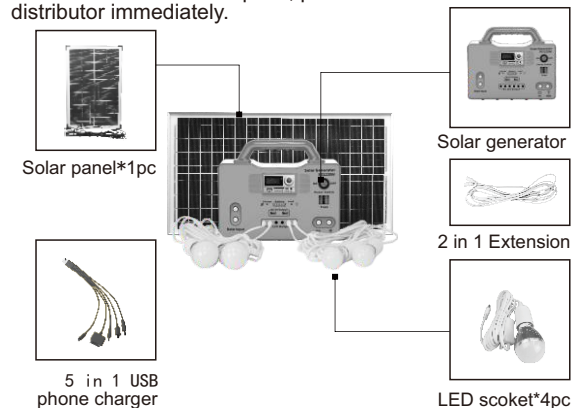
# Solar Lighting System

--SG1220W

Solar lighting system is a small solar generator which combines lighting and charging functions. This system is designed for remote areas which without power grid, and it can provide simple lighting & power solution. The system has broad scope of application, such as garage, barn, cabana, outdoor tents, greenhouse and dock.

## Parts

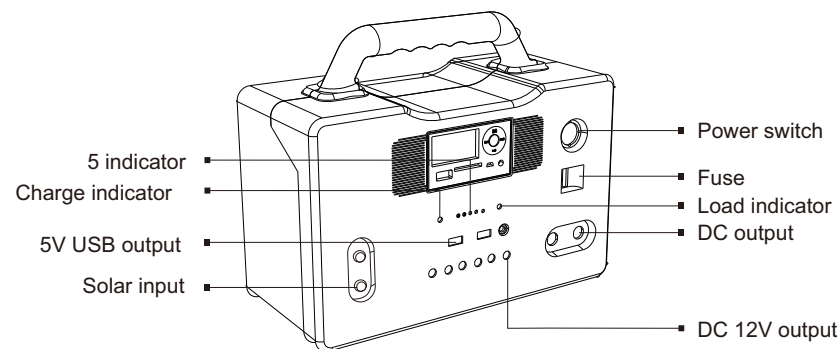
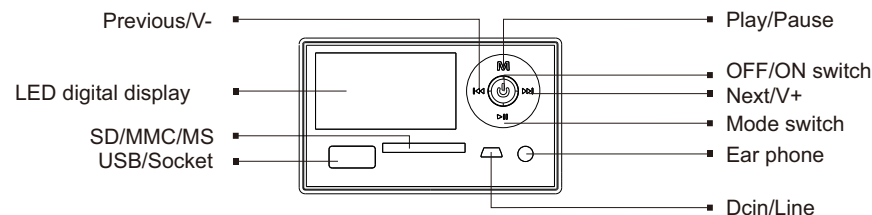
Please check carefully each parts in the box. If you find the accessories are not complete, please contact local distributor immediately.



## Technical specification

- Solar panel: polycrystalline solar module 18V-20W (with 8 meters wire)
- Battery: 12V 12AH (built-in)
- USB socket: 5V/2A
- LED socket: 12V0.5A(max)\*6
- LED lighting source: 12V 3W/12V 5W
- LUMEN: 80LM/W
- DC output: 12V 3A(max)
- Solar input: 3A

## Second step: System appearance description



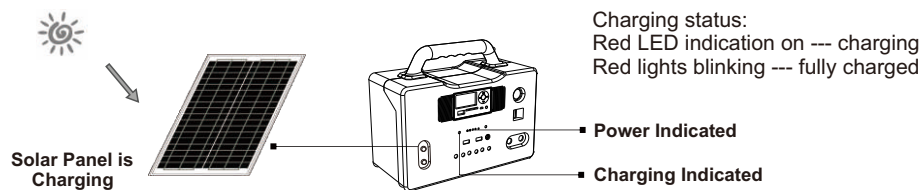
### Notes:

- Please turn on the system switch while using the system.
- Red LED indicator on: System working
- Red 20% LED blinking: Low voltage protection, need to be charged in time.
- Green LED blinking: Over load protection, need to remove all loads expect system configuration load.

## Assembly and Application

### First step: Charging by solar panel

The solar panel will be placed toward to the sun, then plug the wire of solar panel to the charge port. Please make sure the battery will be fully charged before its first use.

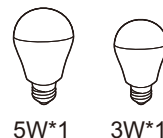


## Charging method

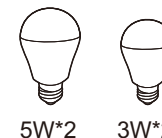


10 hours

## Operating time



=15hours



=7.5hours

## Warning

- When solar panel is charging, please DO NOT put the solar system case exposed to the sun. The system must be kept in the dry and cool places.
- The solar system must be fully charged at least once a month.
- The solar panel should constantly keep clean on the surface and well-functioning. Shall be kept away from fire and corrosive circumstances.
- Throwing and knocking is forbidden. Any unauthorized removal or modification is founded, we are not responsible for warranty repair.