

## Attention

Please read all the information below before using your equipment in order to protect yourself and others from injury and to prevent damage to your equipment.

- Do not expose the SPS to fire or heat and operate or store in an environment below 50° C
- Do not immerse the SPS into water. Store the product in a cool and dry environment.
- Do not use the SPS in flammable or explosive environments (gasoline, gas, chemicals, mines, etc.).
- Do not use SPS in corrosive environments.
- The output of this product is standard alternating current. As with any household electrical outlet, there is the potential of electric shock. Keep product away from children.
- Do not disassemble, refit or repair this product.
- If the SPS is to be placed into storage, the battery must be charged every six months.

Misuse of this product will void your warranty

## Warning

The SPS produces a modified sinewave output.

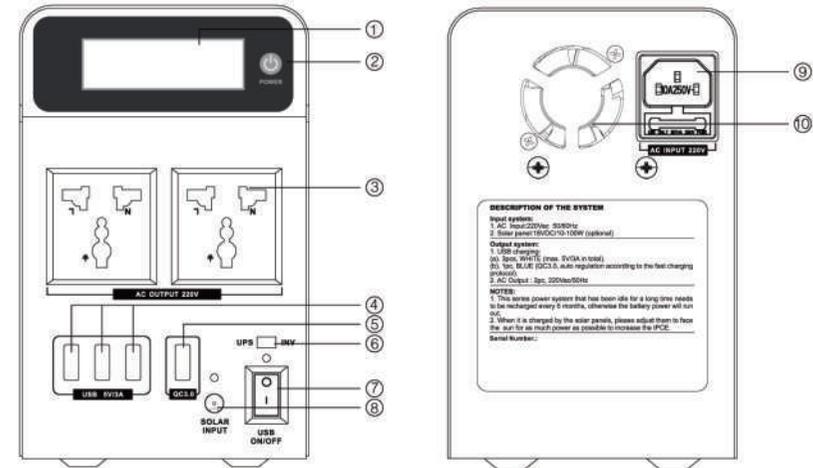
- Modified sinewave / squarewave inverters are not compatible with all electronic equipment.
- Some charger equipment designed for charging rechargeable batteries is not suitable for connecting to the SPS and will damage the unit. For example: rechargeable flashlights, razors, searchlights.
- DO NOT plug in battery chargers for cordless power tools if the charger carries a warning that dangerous voltages are present at the battery terminals.
- Not suitable for inductive loads.
- Never exceed the rated power output of the SPS.
- If you are unsure about the loads that can be powered by the SPS, please contact your product supplier.

## Included in box

- SPS Multifunctional Standby Power Supply
- Power cord
- User Manual

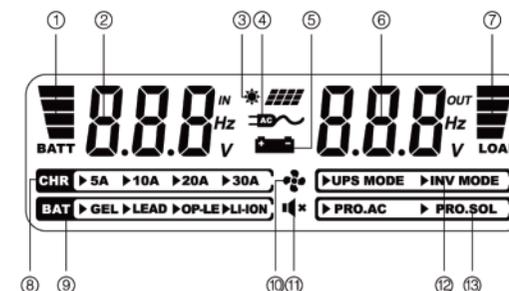
## Multifunctional SPS Diagram

1. Multifunctional LCD display
2. AC output switch
3. AC output socket common
4. 5V USB output socket
5. Fast-charging USB output socket
6. UPS/INV switch
7. USB output switch
8. Solar charging input port
9. AC input socket
10. Heat dissipation fan



## SPS LCD Display Screen

- |  |  |
|--|--|
| 1. Battery capacity indicator  | 7. Load  |
| 2. Battery voltage display   | 8. Commercial power charging current (displays max commercial power charging current in commercial power mode) |
| 3. Solar charging (when the icon is illuminated, solar charging is in progress)                | 9. Battery type (displays battery type)  |
| 4. AC mode (when the icon is illuminated, grid power charging is in progress)                  | 10. Fan  |
| 5. Battery mode (when the icon is illuminated, battery power is being supplied - standby mode) | 11. Silence  |
| 6. AC Output Voltage   | 12. AC Main powers Input Mode  |
|  | 13. Priority Model of Commercial Power/Solar Energy  |



# SPS

## PORTABLE BACKUP POWER

### Standby Power Supply Operation and Control Functions

1. AC output switch. Press once to turn on AC output of the SPS, press and hold for 3 seconds to turn off AC output of SPS.
2. USB ON/OFF switch can turn on or turn off the USB output
3. UPS/INV switch can switch the AC input voltage range of the SPS. Switching to the UPS state, the SPS will obtain more stable output voltage when switching to local power and standby work, and when switching to INV state, the SPS will be allowed to work in a lower local power voltage range.

### How to use the SPS

1. To charge the SPS with commercial power. Connect the input power line to the AC input socket of the SPS, then insert the standard 3-hole municipal power socket with grounding to charge the SPS.
2. To charge the SPS with solar panels, insert the solar panel/s into the solar charging port of the SPS. The specifications of the solar energy input port are 2.1mm in inner diameter and 5.5mm in outer diameter, positive and negative inside. 18V/100W solar panels are recommended. The charging speed of solar energy is determined by the power and sunshine intensity of the solar panels and has nothing to do with the SPS itself.
3. Connect the AC load, connect the AC equipment to the AC output socket of the standby power supply, then turn on the AC output of the SPS. If multiple AC devices need to be connected, they should be turned on one by one and the devices with higher power should be turned on first. Charging digital products such as mobile phones and tablets with USB interface, plugging the USB charging connection into the USB port of the SPS and opening the USB switch will charge the device. If AC devices are not being used when charging USB devices, please turn off AC output to reduce power loss.



- LITHIUM BATTERY
- CHARGE FROM SOLAR POWER/ GRID POWER. Solar panel sold separately.

Model	SPS-600	SPS1000	SPS-1200
Rated Power (Peak Power)	300W (600W)	500W (1000W)	600W (1200W)
Voltage Range (AC Mode)	USB Mode: 180~260VAC; INV Mode: 140~260VAC		
Solar Power Input Voltage	18V/5A		
AC Output Voltage Range	AC Mode: Synchronizes with the input range of commercial power Standby Mode: 220VAC +-10%		
AC Output Frequency	AC Mode: Synchronizes with the input range of commercial power Standby mode: 220VAC +-10Hz		
USB Output	Common white USB output port: 5V/3A Blue Fast-Charging USB Output Port: Automatically adjusts the output voltage and current according to the identified fast-charging protocol. Supported protocols are QC3., PE2.0, FCP, SCP, AFC, SFCP, BC1.2		
AC Charging Current	5A	10A	
Battery Voltage and Capacity	Label on enclosure rear panel		
Environment	Temperature: 0 – 40° C, Humidity: 30% to 90% without condensation		
Storage Temperature	-10 to 50° C		