

Portable Audio Power Station User Manual

YY-202



Precautions for use:

1. Open the package and check whether the following accessories are complete.

1*Portable Audio Power Station; 1*Charger; 1*User Manual;

Please check carefully whether the portable audio power station device is damaged during transportation. If you find that the device is damaged or parts are missing, please do not start the device, and immediately notify the carrier and dealer.

2. The portable power audio station device should be placed in a well-ventilated place away from water, flammable gases and corrosive substances.

3. Do not place it on its side, keep the bottom and panel of the portable audio power station uncovered.

4. The working environment temperature of the portable audio power station should be kept between 0~40°C.

5. If the portable audio power station device is disassembled and used at low temperature, water condensation may occur. It must be used until the inside and outside of the device are completely dry, otherwise there will be a danger of electric shock.

Safety Precautions:

1. The portable audio power station device has high voltage AC output, which is potentially dangerous and must be handled with care and kept away from children, otherwise there will be a risk of electric shock.

2. Do not connect the inverter of the portable audio power station to the AC circuit, otherwise even if the switch of the device is turned off, the inverter of the device may be damaged.

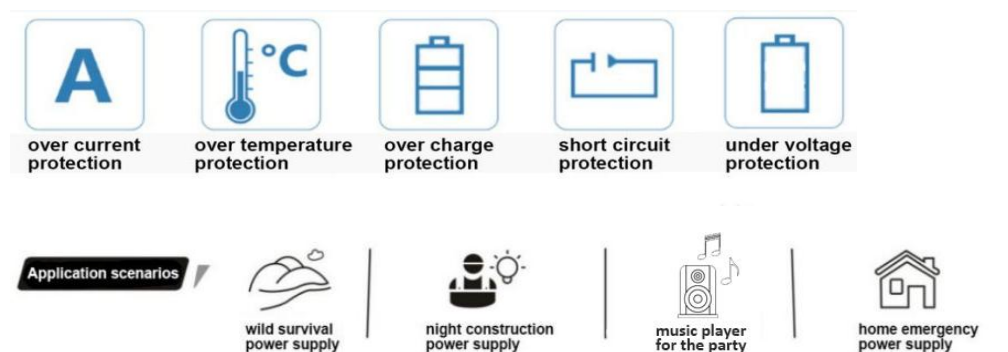
3. Please ensure that the power used by the electrical appliance is less than the rated output power of the portable audio power station device.

4. Before the load is connected to the portable audio power station device, be sure to turn off the load switch before connecting it, and then turn on the load switch for use.

5. Insert the charging terminal of the solar panel or charger into the charging port of the portable audio power station for charging.

6. It is prohibited to connect half wave (hair dryer, electric heating wire heater) load, high-power motor, laser printer, high-power rectifier load. The portable audio power station will be automatically protected because of the excessive starting power during operation.

Description of protection functions and application scenarios:



Use load type:

AC fans, DC fans, AC LED lights, DC LED lights, digital products, mobile phones, desktop computers, notebook computers, etc.

Function description:



Operation method:

Power on:

1. Press and hold the power switch for about 3S, and release it after the power indicator lights up to enter the power on state. At this time, click the corresponding function switch on the panel to get the corresponding output. When each function is turned on, the corresponding indicator light will also light up. When using the speaker, you need to turn the ON/OFF switch to the ON state.

2. To protect the battery's service life, when the machine automatically shuts down due to low battery voltage, holding down the power switch for a long time will also prevent it from turning on. It is necessary to connect a solar or charger to charge the machine. After that, press and hold the main power switch for 3 seconds to turn it on.

Power off:

1. When not charging, press and hold the power switch for about 3S, and release it after the battery indicator goes out to shut down.

2. When charging, the battery indicator will not go out. Press and hold the power switch for about 3 seconds. When the indicator lights of all functions go out, it indicates that the device is turned off.

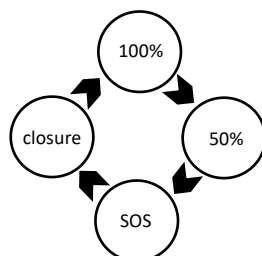
3. The machine has DC undervoltage and overvoltage protection functions. When the battery is undervoltage or overvoltage, the machine will automatically shut down.

Charge:

When the solar panel or charger is connected to the charging port, the battery indicator light flashes alternately, indicating that it is in the charging state.

Function buttons:

1. In the power-on state, click the DC Output /AC Output /LED Switch to turn on or off the corresponding function.
2. When the DC12V3A output is overloaded or short-circuited, each DC output port has no output, and the DC output switch will be automatically turned off. At this time, you need to remove the load and click the DC output switch twice to turn on the DC output.
3. When the USB2.4A output is overloaded or short-circuited, the USB2.4A port has no output, which does not affect other DC outputs and the DC output switch. The output can be restored after the load returns to normal.
4. When the PD20W output is overloaded or short-circuited, the PD20W port has no output, which does not affect other DC outputs and the DC output switch. The output can be restored after the load returns to normal.
5. When the AC output is overloaded or short-circuited, the AC port has no output, the AC output switch is not affected, and the output can be restored after the load is normal.
6. Click the LED switch to switch the LED light. The LED light cycle switching is shown in the figure below:



Audio player:

1. In the power-on state, turn the ON/OFF switch to the ON position, and the speaker status indicator lights up, turning on the Audio player. Turn the ON/OFF switch to the OFF position, and the speaker status indicator goes out, turning off the Audio player.

2. After the Audio player is turned on, click the "MODE" button ② to switch between USB / TF / FM / Bluetooth modes. There will be a prompt voice when switching.

3. In Bluetooth mode (Bluetooth name: YY-202):

(1) Click the "|◀/V-" button ① to switch to the previous song, and long press to reduce the volume.

(2) Click the "▶/SCAN" button ③ to pause or play.

(3) Click the "▶/V+" button ④ to switch to the next song, and long press to increase the volume.

4. In FM mode:

(1) Click the "|◀/V-" button ① to switch to the previous channel, and long press to reduce the volume.

(2) Long press the "▶/SCAN" button ③ for 2 seconds to automatically search for channels.

(3) Click the "▶/V+" button ④ to switch to the next channel, and long press to increase the volume.

5. TF card interface and USB interface, insert a suitable TF card and USB to use.

YY-202 Technical Parameter Table	
Model	YY-202
Rated Power	100W
Output Waveform	Modified Sine Wave
AC Output Voltage	220V/110V $\pm 15\%$
AC Output Frequency	50Hz/60Hz $\pm 3\text{Hz}$
Conversion Efficiency	Maximum value $>90\%$
Charging Interface	External charger interface and solar panel charging interface DC5521, 1 pcs(built-in solar intelligent controller)
AC Output Socket	Universal Socket
DC Output Voltage	USB DC5V 2.4A*2; PD20W*1;DC12V3A*3,DC5521;
LED light	LED light high brightness, LED light half brightness, LED light flashing, LED light off 4 states
Battery Type	LiFePO4
Battery Capacity	12.8V 76.8Wh
Solar Panel Specifications	18V-30W (optional)
Charging Current	Maximum 2A
AC Charger Specifications	15V 1A
Charging Time	After fully discharged, the battery capacity reaches 80% after charging for 5 hours
LED Status Indication	Power, charging status, output status
Heat Dissipation	Intelligent temperature control cooling fan
Noise	1 meter distance <45 decibels
Protection Functions	Low voltage, over voltage, over load, over temperature, over current ,short circuit
Product Features	1. DC/AC is completely isolated 2. Audio player 3. Pure copper high-frequency transformer, small in size, high in efficiency and low no-load loss 4. Microprocessor, digital control, all-round protection 5. Built-in solar charger, intelligent charge and discharge management 6. AC output and DC output have independent power on and off functions
Audio	
Function	Support Bluetooth connection, TF card, USB, FM radio
Button	4 function buttons
Sound Quality	Built-in high-quality speakers
Rated Power	20W
Environmental Characteristics	
Operating Temperature	$-10\sim 40^{\circ}\text{C}$
Operating Environment Humidity	$10\sim 85\%$
Storage Temperature	$-20\sim 70^{\circ}\text{C}$ No condensation
Storage Environment Humidity	$5\sim 90\%$
Structural characteristics	
Material	ABS Enclosure
Net Weight(kg)	≈ 2.52
Product Size W*D*H(mm)	238*150*210