

Portable Energy Storage System **PES-A9 Operating Manual**



Introduction:

System Introduction:

PES-A9 portable multi-functional energy storage system, combined with solar charging, storage, discharge control management as the design basis, built-in high-capacity,

high-performance lithium iron phosphate batteries, using the current advanced automotive power lithium battery manufacturing process, with multiple security protection, strong output energy, provide AC voltage output, DC Different voltage output two modes, convenient for different electrical power supply, built-in Bluetooth speaker, flashlight, two-stage lamp lighting, SOS flash mode, suitable for household power , emergency power supply, support dangerous rescue, support the lack of power areas, provide camping or travel power mode





safety warning

Security Tips

To ensure that you use this product safely and correctly, please observe the following:

Safety note and the precautions:

- (1) **Keep the product out of the reach of children.**
Please place the product in a place where children cannot touch it.
- (2) **Please use the accessories purchased from the original factory or official channels.**

Please use the accessories purchased from the original or regular channels.

- (3) **Do not use this product over the rated load.**
Do Not exceed the rated load for the use of this product.
- (4) **Please use it in a well-ventilated environment. Do not store or use this product in the following environments:**

Use in a well ventilated environment, do not keep in the following environment or use of this product:

- a.Places with flammable gas, corrosive substances, and large amounts of dust**
A place with flammable gases, corrosive substances, and large amounts of dust
 - b.Abnormal high or low temperature(40℃ above or0Below ℃), High humidity(90%the above)Place**
abnormal high or low temperature (40 DEG C or below 0 DEG C), high humidity (more than 90%) place
 - c.Places exposed to direct sunlight or close to heating appliances**
A place with direct sunlight or close to a heating device
 - d.Places with severe vibration**
A place with violent vibration
- (5) **Battery is lower than30%Or if you haven't used this product for three months, please charge it in time.**
the amount of electricity is less than 30% or three months without the use of this product, please charge it in time.
 - (6) **The product is equipped with a large-capacity lithium iron phosphate battery, non-professionals should not open the case, otherwise there**

will be a risk of electric shock or fire.

The inside of the product has a large capacity lithium battery, nonprofessionals cannot open the shell, otherwise there will be electric shock, fire danger.

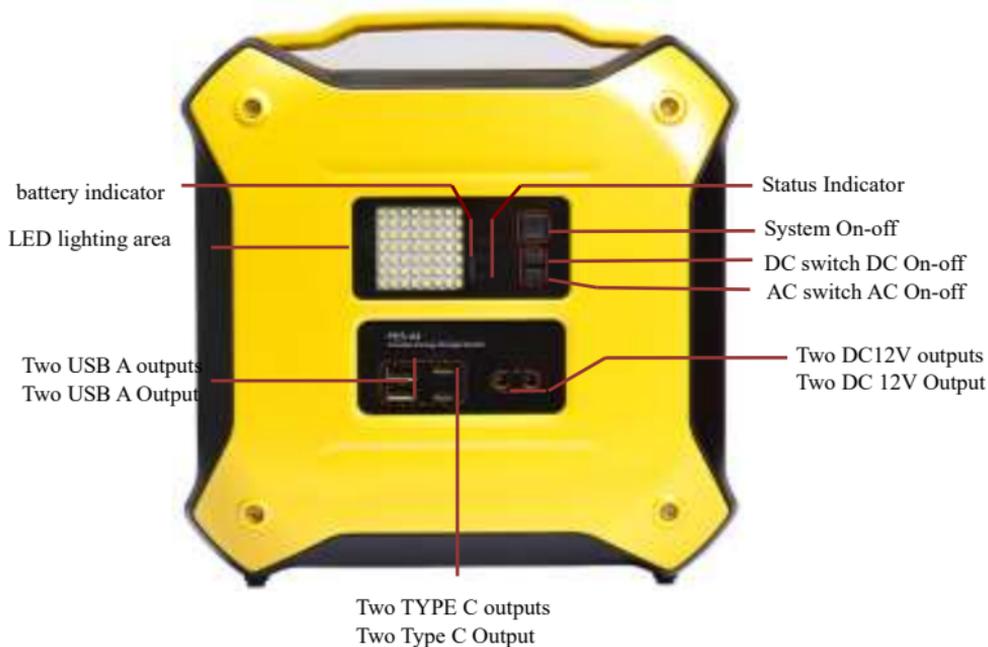


If there is smoke or fire, please use a dry powder fire extinguisher. Using a liquid fire extinguisher may cause electric shock.

If there is smoke and fire, please use the dry powder fire extinguisher and the use of the liquid fire extinguisher to be in danger of electric shock.

Appearance introduction (1)

Appearance introduced (1)



Appearance introduction (two)

Appearance introduced (2)



Instructions (One)

1. Click the "POWER" button, the battery light will be on for 10 seconds, and the battery information
2. Long press the "POWER" button, When the red light is on, it means the system is normal, and it goes out after a long press again, which means the system is shut down
3. In the power-on state, click "DC ON", the DC blue light is on, indicating that the USB A&TYPE C port output is turned on, and it can supply power to 5V devices such as mobile phones. At the same time, the flashlight and table lamp lighting modes can be controlled through different button methods
 - 3.1 Double-click to turn on the lamp lighting mode, after turning on the lamp lighting, click DC ON, the lamp lighting mode: bright height → SOS cycle, double-click again to turn off the lamp
 - 3.2 Long press for 3 seconds to turn on the flashlight, long press again for 3 seconds to turn off the flashlightNote: Under no load, the output will be turned off within 30-60 seconds
4. In the power-on state, click "AC ON", the AC green light is on, indicating that the AC port output is turned on and can provide AC power to the device. After clicking again, the AC light is off, indicating that the output is off, and the maximum AC output power is 300W, when it exceeds 350W, The system will enter the protection state and need to remove the load and restart
5. DC 12V output port supports plug and play, and can support 36W internal load



Operating instructions(1)

1. Click the "POWER" button, and the power lamp lights up 10S to display the power information.
2. Press the "POWER" button for a long time. When the red light is turned on, the system is normal. When the red light is pressed again, the system is turned off.
3. In the boot state, click the "DC ON", DC blue light, said USB A&TYPE C output port open, can supply to the mobile phone and other 5V devices, while controlling the flashlight and lamp lighting mode by different key mode
 - 3.1 Double click open lamp lighting mode, lamp lighting in the open, click the DC ON lamp light pattern: high bright → SOS cycle, double click again to close the table lamp
 - 3.2 press 3 seconds to open the flashlight flash light, and then press the flashlight for 3 seconds.

Note: in the case of no load, the output will be closed within 30-60 seconds

4. In boot state, click "AC ON" and the AC green light is on, indicating that the output of AC port is on, which can provide AC power to the equipment. When clicked again, the AC light is off, indicating that the output is off.

AC output maximum power 300W, over 350W, the system will enter the protection state, need to remove the load reboot

5.



Instructions(two)

Operating instructions(2)

1. Bluetooth operating instructions:

Bluetooth operation instructions:

- 1.1 : Turn on and off the Bluetooth speaker, long press 

approximately 3 seconds, Turn on the Bluetooth speaker function, after hearing the prompt tone, turn on successfully; Shutdown: Long press when the Bluetooth speaker is on  *approximately 3 seconds*, Bluetooth speaker is off;

Turn on and off the Bluetooth speaker, press about 3 seconds long, turn on the Bluetooth speaker function, after hearing the prompt, turn on successfully.

- 1.2 Bluetooth pairing: Enter the "Settings" of the device that needs to be connected to the Bluetooth speaker, find the "Bluetooth" option, click "Bluetooth" to start the Bluetooth function, scan the connected device, and find "A9"Device, you can play music after pairing successfully, The next time the Bluetooth speaker is turned on, it will automatically prioritize the last connected device. No need to connect manually.

Bluetooth Pairing: Enter the "Settings" for devices that need to be connected to the Bluetooth speaker, find the "Bluetooth" option,

1.1 : ⏮ Short press to play the previous song, long press > 1 Volume increase in seconds
Short press play the last song, long press > 1 second volume added.

1.2 : ⏸ Short press the play button to pause
Short press play the last song, long press > 1 second volume added.

1.3 : ⏭ Short press to play the next song, long press > 1 Second volume decrease
Short Click to play the next song, long press > 1 second volume reduction.

1.4 when TF When the card is inserted into the card slot, it will play automatically TF Music in the card, you can control the music through the buttons

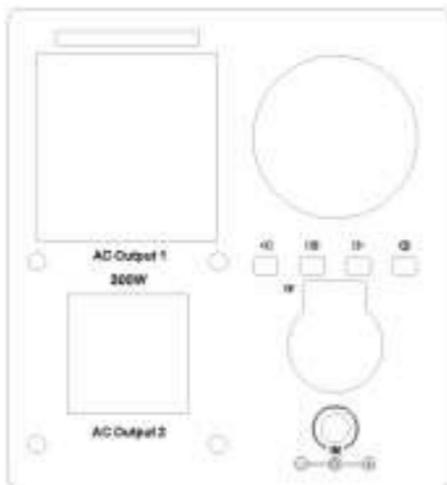
When the TF card into the card slot, TF card automatically play music, music can be controlled by buttons

2. Charging instructions

PES-A9 stand by 15V4A adapter charging, please use the original charger, while supporting 18V Max 150W Solar charging.

PES-A9 supports the 15V4A adaptor, please use the original

charger, while supporting 18V 150W maximum solar charging.



Electrical parameters	Specifications
Model	PES-A9
Power capacity	307WH±5%
AC Output voltage	220VAC 50HZ
AC Power Rating	rated power300watt maximum:350watt Rated power: 300W, MAX: 350W
Output Waveform	Correction wave Amendment Wave
DC 12V Output Rating	12V 3A
USB Output Rating	5V/2. 1A
TYPE C Output	5V/2. 1A
Audio power	3W
Audio bandwidth	20HZ-20KHZ
Signal-to-noise ratio	≥90db
Distortion degree	≤1%
Work scope	10Meter /10 meters

Bluetooth profile	Bluetooth V4.0
Adapter power	15V/4A
Solar panel power Solar charging Voltage	18V MAX: 120W
Over-Temperature Protection	Turn off output when over temperature, Restart after recovery Turn off the output at over temperature and restart after recovery
Overpower Protection	Turn off the output when the load is overloaded, Restart after recovery When load is overloaded, the output is closed and restarted after recovery.
Short-circuit Protection	AC Turn off output when output short circuit, Restart after recovery When AC output short circuit, turn off output and restart after recovery
Weight	4.80KG
size Dimension	274.5X261X152.5MM

Uses time:



Product	Uses time
3000mAhcell phone battery Mobile phone battery	Charging 30 times
Laptop	3-6H
Desktop	1-1.5H
50W electric fan	5H
32 inch LCD TV	4-6H
12V/3W LED light	10-100H
25W Bulb	10-12H
Refrigerator	6-12H

Warranty Card

Thank you for using this product! Our company provides you with warranty service within 12 months from the date of purchase. When you need a warranty, please show this warranty card and fill in the relevant content in detail.

Warranty:

1. Quality problems in normal use
2. The damage to the product caused by operating errors is not covered by the warranty
3. No warranty after disassembling

For products not covered by the warranty, our company can provide maintenance services, but the maintenance costs shall be borne by the customer

Product number		Serial number	
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Purchase date		Repair date	
customer's name		contact number	
customer address			
Sales unit			
Product exception description			

Warranty card

Thank you for using our product! Our company will provide you with warranty services within 12 months from the date of purchase. Please show this warranty card when you need warranty, and please fill in the relevant contents in detail.

scope of warranty:

1. Quality problems in normal use
2. If the operation is wrong, the damage to the product is not within the scope of warranty.
3. No warranty after self dismantling.

We can provide repair service without warranty within the scope of warranty, but the cost of maintenance shall be borne by the customer.

Product model		Factory number	
Date of purchase		Maintenance date	
Customer name		Contact number	
Customer address			
Point of sale			
Product exception description			