



PENOEVER
TW1012 All-in-one power bank
Instruction Manual

1. Component description

- ① Mobile power button
- ② Type-C in/output interface
- ③ USB-A (1) output interface
- ④ Power indicator
- ⑤ Pin
- ⑥ Wireless charging (this function needs to be supported by the mobile phone)
- ⑦ floodlight
- ⑧ Built in cable type-C output interface
- ⑨ Cable for iphone

2. Charging instructions

Pin input charging

Pin input charging
Connect the device with the charging interface suitable for the device and start charging the mobile power supply. During the charging process The last character of the digital screen flashes to charge the equipment; All characters on the digital screen are always on, and the charging is completed.

USB / type-C input charging
USB / type-C input charging uses the built-in USB charging cable or type-C charging cable to access the input interface. At this time, it starts to charge the mobile phone. Source charging: during charging, the last character of the digital screen flashes to charge the equipment; All words of digital screen Fu Changliang, charging completed.

Mobile power discharge
When using mobile power to charge other electronic devices such as mobile phones, iPads, Bluetooth headsets, etc. The digital screen is always on to display the corresponding power, which belongs to normal discharge. The last character of the digital screen flashes (low power). During 5% discharge (under voltage), it indicates that the mobile power supply is about to run out of power.

Power button description
Click the power button to display the current power, and double-click the button to turn off the power indication.

Wireless charging instructions
If the mobile phone supports the wireless charging function, the mobile phone can be directly placed at the wireless charging position of the charging treasure. Charging (startup voltage: $5.0 \pm 0.25V$, wireless output power: $5W / 7.5W / 10W / 15W$ max)

3. Power indicator

The mobile power supply is equipped with a digital screen to facilitate your control of the remaining power and other functions of the mobile power supply. 100% of the power indicates that the mobile power supply is sufficient. If 0% is displayed, the mobile power supply needs to be charged.

Power display


4. Specification parameters

Model:	TW1012 (PENOEVER)
Name:	All-in-one power bank
Cell:	Polymer cell
Battery capacity:	10000mAh (37Wh/3.7V)
Wireless Charging Power:	5W/7.5W/10W/15W
USB Output:	5V=3A, 9V=2.2A, 12V=1.67A, 5V=4.5A, 4.5V=5A
Type-C Cable Output:	5V=3A, 9V=2.2A, 12V=1.67A, 5V=4.5A, 4.5V=5A
Lightning Cable Output:	5V=3A
Type-C Input/Output:	5V=3A, 9V=2.2A, 12V=1.67A
Type-C+USB+Cable Output:	5V=3A
Input interface:	Type-C/ Pin
Output interface:	Lightning/Type-C comes with cable, USB-A
Material:	ABS+PC
Product size:	84.8*84.8*25.8MM
Weight:	255g
Execution standard:	GB/T 35590-2017

5. Power protection

Short circuit protection
If the power output is short circuited, the power supply shall be able to protect automatically, and the power supply shall be able to resume operation after troubleshooting.

Oversupply protection
The mobile power supply has overcharge and discharge protection. The product output is provided with overvoltage protection, and the output voltage shall not exceed 5.6V. The input voltage range is 4.6V-5.6V, and the input has OVP and undervoltage protection functions.

Overcharge protection
Use DC 5V/2A constant current and constant voltage source to connect the mobile power input terminal, charge to 100% power. After (saturation state), continue to load the mobile power supply for 8 hours, and the mobile power supply should not explode, fire, smoke or leak.

Over discharge protection
The output terminal of mobile power supply shall be connected to 30Ω load for 24 hours, and the mobile power supply shall not explode, fire or smoke. Or leakage. After troubleshooting, the power supply shall be able to resume operation.

6. Common problems and precautions

common problem	Possible causes
1 What if the power supply can't be charged?	1. Confirm whether the indicator screen is on 2. Confirm whether the data cable and plug are not in contact OK, replace it again and try again 3. Confirm the remaining power and use up the remaining power Recharging
2 When the power supply is charged to 99%Stopped charging	It is necessary to activate the cell for the first use, and use it for 2-3 times See if it can be filled
3 Alter receiving the goods, the remaining power is only displayed 70% of	The Coulomb of digital display needs to be recycled 2-3 The true power of the power supply will be displayed accurately after times Please recycle it for 2-3 times before estimating

Matters needing attention

Warn
Failure to follow safety instructions may result in fire, electric shock, ring damage or other injuries; high-quality power banks are used Lithium polymer battery, please use it with confidence.

Do not disassemble or pierce the power bank by yourself; do not expose the power bank to fire, high temperature or water; It is recommended to use a regular brand power adapter to charge it.

If you find that the mobile power supply is bulging or other bad phenomena or the charged device is bulging, please stop using the power supply;

This product is only suitable for safe use in areas with an altitude of 2000m and below, and is only suitable for safe use in non-tropical climate conditions.

CAUTION: Replacing a battery with the wrong type can result in an explosion hazard, be sure to dispose of the used battery according to the instructions.

Suggestions for scrapping power supply:
The power supply contains dangerous and useless materials, which need to be recycled [destroyed] by qualified institutions, Contact your local office to ensure that the power supply is properly scrapped in accordance with the approved regulations.

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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