



Powerology

**16000mAh Solar Multi-Cable
Power Bank**

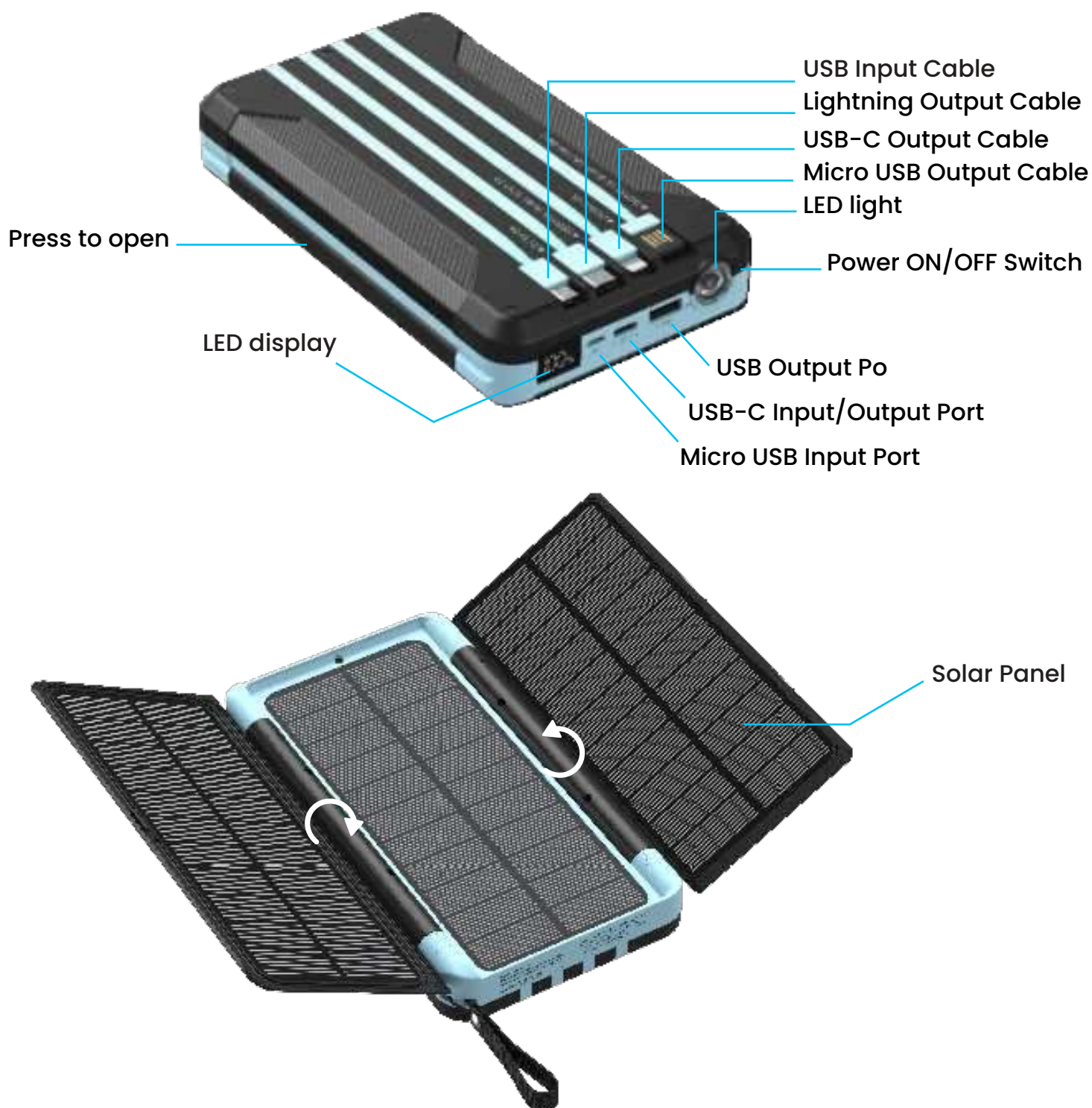
SKU: PPBCHA70

Table of Contents

Product Overview	2
Compliance	3
Specifications	3
Package Contents	4
Product Features	4
User Instructions	4
A. Power On/Off	4
B. Charging the Device	5
C. Charging Other Devices	5
LED Flashlight	6
Product Maintenance	6
Important Notes	7
Common Issues and Solutions	8
Disposal	9
Warranty	10
Contact Us	10

Thank you for choosing our product. To ensure a seamless user experience, we have provided detailed instructions containing product descriptions, usage guidelines, and other relevant information. Please read this manual carefully before using the product to ensure proper operation. We apologize for any printing or translation errors.

Product Overview



Compliance

All Powerology power banks undergo rigorous testing and strict quality control procedures.

- 1. ISO 9001:** Demonstrates our ability to consistently provide products and services that meet customer needs and applicable statutory and regulatory requirements.
- 2. UN38.3 Test Certificate:** Ensures that the battery cells in our power banks comply with safety standards, including maximum continuous charge voltage, cut-off voltage, cell count, nominal voltage, and discharge criteria.
- 3. MSDS Certificate:** All our power banks include Material Safety Data Sheets (MSDS), outlining hazardous materials associated with batteries and detailing proper handling procedures and safety precautions.
- 4. UL 2056 Test Certificate:** Certifies that our products meet stringent safety standards after undergoing comprehensive evaluations by UL expert engineers.
- 5. CE Certificate:** Confirms that all our power banks are CE-certified, ensuring compliance with regulations for sale within the European market.

Specifications

Battery Type	Lithium Polymer
Battery Capacity	16000mAh/3.7V/59.2Wh
Micro USB Input Port	DC 5V/2.1A, 9V/2A, 12V/1.5A 18W
Micro USB Built-in Output Cable	DC 5V/3A
Lightning Built-in Output Cable	DC 5V/2.4A 12W
Type-C Input Port	DC 5V/3A, 9V/2A, 12V/1.5A 18W
Type-C Output Port	DC 5V/3A, 9V/2.22A, 12V/1.67A 20W
Type-C Built-in Output Cable	DC 5V/3A, 9V/2A, 12V/1.5A 18W

USB-A Output Port	DC 5V/3A, 9V/2A, 12V/1.5A 18W
USB-A Built-in Input Cable	DC 5V/2.1A, 9V/2A, 12V/1.5A 18W (Max)
Solar Charging Panels	3x DC 5V/0.32A 4.8W
Flashlight Power	1W

Package Contents

Power Bank
Solar Panels
Charging Cable
Lanyard

Product Features

1. Exclusive and stylish design.
2. Built with original A-grade polymer battery cells for enhanced safety and stability.
3. Multiple built-in input/output ports and cables, ensuring compatibility with various devices for simultaneous charging.
4. High-capacity portable power bank supporting multiple USB ports for simultaneous output.
5. Equipped with three large solar panels for efficient on-the-go charging.
6. Built-in LED lighting function for convenient use in outdoor environments.
7. Digital battery capacity display for clear visibility of remaining power.

User Instructions

A. Power On/Off

Press the power button to activate the device. The screen will display

the current battery level. If no device is connected for charging, the device will automatically turn off after 30 seconds.

B. Charging the Device

B.1 Solar Charging

Unfold the solar panel and position it in direct sunlight to convert sunlight into electricity for charging. Optimal charging efficiency is achieved when sunlight intensity exceeds 25000 LUX.

Note:

- 1.** Do not place the product on a cement floor or inside a car where heat is concentrated, especially during high summer temperatures. In hot weather, the temperature inside a parked car can reach 176°F/80°C, which may cause the battery to swell or even explode.
- 2.** If the device's body temperature exceeds 50°C, stop using solar energy to charge the device. We recommend keeping the power bank in a ventilated environment for solar charging to prevent battery swelling due to extreme heat.

B.2 Power Charging

You can charge the device using the built-in USB-A cable. Additionally, connect one end of your charging cable to the device's top USB-C or Micro USB port and the other end to a USB wall charger. The current battery level will be displayed during charging, and it will indicate 100 % when fully charged.

C. Charging Other Devices

C.1 Using an External Charging Cable

After turning on the solar power bank, connect one end of your charging cable to the top USB port or Type-C port, and connect the other end to the device that needs power.

battery life.

Note: The illustrations of products, accessories, user interfaces, etc., in this manual are schematic diagrams for reference only. Due to product updates and upgrades, there may be slight differences between the actual product and the diagrams. The actual product shall prevail.

C.2 Using the Built-in Cable

Press the power switch to turn on the unit, and the LED power indicator will light up. Remove the built-in cable (select the appropriate cable type for your device) from its storage position and plug it into the corresponding interface to begin charging.

LED Flashlight

- 1.** Press and hold the power button for 3 seconds to turn on the flashlight.
- 2.** A quick short press switches between SOS mode and flash mode.
- 4.** Another short press turns off the flashlight.
- 5.** Please ensure the flashlight is turned off when not in use to conserve power.

Product Maintenance

- 1.** To maintain maximum efficiency of the product, please follow these guidelines:
- 2.** Keep the product away from moisture and corrosive substances.
- 3.** Avoid using chemicals to clean the product.
- 4.** If not in use for an extended period, recharge the device every six months.

Important Notes

1. Carefully read all instructions before using the product.
2. When using this product for the first time, perform a full charge and discharge cycle to extend its service life.
3. Ensure the device you want to charge is compatible with the power bank's specifications.
4. Keep the power bank out of reach of children, infants, and pets.
5. Avoid dropping or subjecting the power bank to impacts.
6. Do not expose the power bank to water or immerse it in water.
7. **Warning:** If the power bank comes into contact with water, do not use it.
8. Do not puncture or disassemble the power bank. Do not disassemble the product under any circumstances. This may cause overheating, fire, or an explosion.
9. Never throw the power bank into a fire, as it may cause an explosion.
10. If the power bank malfunctions or is swallowed, stop using it and contact a service center immediately.
11. Do not dispose of the power bank as household waste.
12. Avoid leaving the power bank in a car on hot days. Do not expose the battery to direct sunlight, fire, or extreme heat.
13. Do not use the power bank in environments with high temperatures ($\geq 45^{\circ}\text{C}/113^{\circ}\text{F}$) or humidity. Store it in a cool, dry place when not in use.
14. Always monitor the power bank when it is charging other devices or being charged. Never leave it unattended.
15. Disconnect the charger once the battery is fully charged; do not leave it charging for an extended period.
16. Improper battery replacement may result in an explosion. Use only the same or equivalent battery type, and ensure replacement

is performed by maintenance personnel, not by unqualified individuals.

17. Improper battery replacement may result in an explosion. Use only the same or equivalent battery type, and ensure replacement is performed by maintenance personnel, not by unqualified individuals.

18. When using a power adapter for charging, only use a branded certified adapter that complies with standard requirements.

Common Issues and Solutions

1. When turning on the power switch, the display shows "00."
- The battery is almost depleted. Please recharge the device immediately.

2. Unable to charge the device.
- Try using a different charger and charging cable, then attempt to charge the device again.

3. Unable to charge a phone or digital device.
- Reconnect the charging cable to both the phone and the power bank.

4. The device takes a long time to charge and does not reach full charge.
- Use the provided cable and a charger that supports an output of 5V/2.1A or higher.
- Charging through the Lightning port may take longer due to lower current. Try using an alternative charging port.

5. Other troubleshooting methods:
- Check if the buttons have proper elasticity.
- Ensure the charging indicators function correctly during charging.

- Inspect the USB input cable for any issues after connecting it to the device.
- Check the USB output cable for any issues when connected to the charging device.
- Listen for unusual noises or detect odors inside the product.
- Do not disassemble or attempt maintenance on your own.
- If the above troubleshooting steps do not resolve the issue, please contact a professional service center.

Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.



Warranty

Products that you buy directly from our **Powerology** website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check:
powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**

Website: **powerology.me**

Instagram: **powerology_official**

Facebook: **powerology.ME**