



Powerology

Ultra Portable Air Compressor Power Bank

SKU: PPBCHA55

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Before using the product, please carefully read this User Manual to guarantee correct usage and keep it secure for future reference.

Features

- 1.** The air compressor is equipped with a high-capacity battery that provides extended usage time, allowing for multiple inflation tasks on a single charge.
- 2.** This device features various inflation modes designed to handle different types of inflatables, ensuring optimal performance for items ranging from car tires to sports balls.
- 3.** A built-in digital pressure gauge accurately measures and displays the current pressure level, allowing for precise inflation and monitoring.
- 4.** The air compressor includes an auto shut-off function that automatically turns off the device once the preset pressure level is reached, preventing over-inflation and ensuring safety.
- 5.** Its compact and lightweight design makes the air compressor easy to store and transport, ideal for use in various locations such as vehicles or outdoor settings.
- 6.** The device comes with interchangeable nozzle attachments to accommodate different valve types and inflation needs, making it versatile for various applications.
- 7.** An integrated LED work light provides illumination for easy operation in low-light conditions, enhancing convenience during nighttime or dimly lit scenarios.
- 8.** The built-in USB charging port allows you to use the power bank function to charge other electronic devices, adding an extra layer of utility to the air compressor.

9. The air compressor is designed with intuitive controls and a clear digital display, making it easy to set desired pressure levels and monitor inflation progress.

Safety Precautions

Please Read This Manual Carefully Before Using the Product Retain this manual for future reference.

1. This machine generates noise levels higher than 75dB during operation. Exercise caution and consider using hearing protection if necessary.

2. Prolonged use may lead to increased temperatures of both the device and its components. Ensure adequate cooling time before reusing the device.

3. Keep the device out of reach of children.

4. Avoid exposing the device to rain, snow, moisture, or any potential fire hazards.

5. Do not use the device if it has been subjected to a sharp impact, dropped, or otherwise damaged. Seek assessment and repairs from a qualified technician.

6. Do not disassemble the device. Improper reassembly could lead to a risk of electric shock or fire.

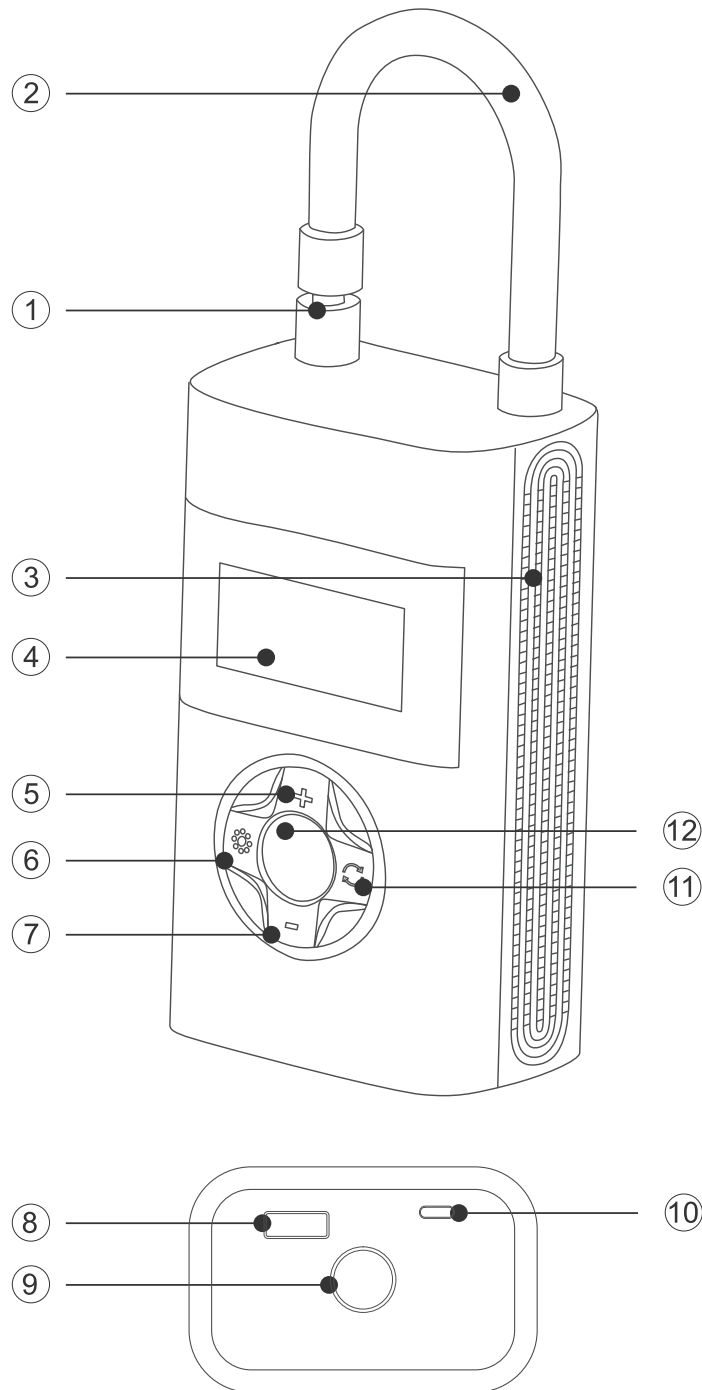
7. Do not use the device underwater or immerse it in water.

8. Misuse may result in injury from escaping gases, liquids, or explosions.

9. Adhere strictly to these guidelines to ensure safe and effective operation of the product.

Schematic View

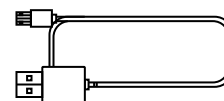
1. American Air Nozzle
2. Tube
3. Heat Emission Holes
4. LED Display
5. "+" Button
6. Light Button
7. "-" Button
8. USB Output
9. LED Light
10. USB-C Charging Input
11. Mode Button
12. Start/stop button



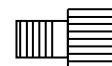
Package Contents

1 x Portable Air Compressor Power Bank

1 x Charging Cable



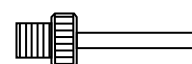
1 x French Air Nozzle Adapter



1 x Long air needle



1 x Ball air needle



1 x PE bag

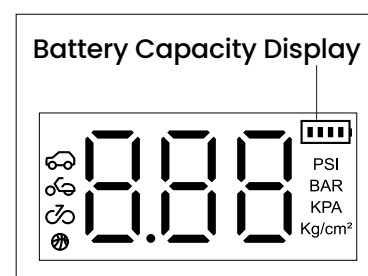


Battery Level Indicator

Four bars: Fully charged (100 % battery power)

Three bars: 75 % battery power

One bar: Less than 25 % battery power, recharging is needed.



Charging Instructions

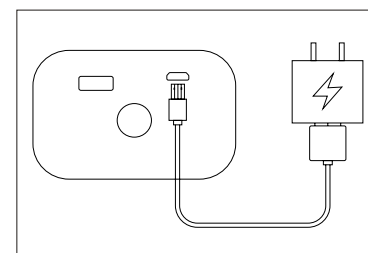
1. Before initial use, ensure the device is fully charged.

2. Connect the device to a 5V USB charger using the provided charging cable (Adapter not included).

3. Indicator Light:

A flashing light indicates charging is in progress.

When all four bars are illuminated, charging is complete.



Note: The device cannot be used for inflation while it is charging.

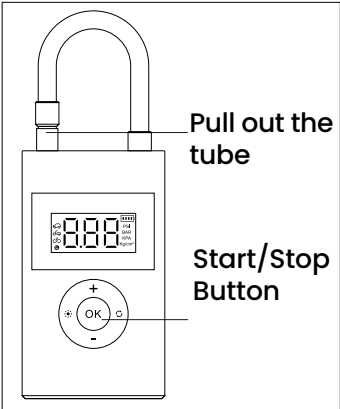
Power On/Off

Start:

- 1. Extend the tube.
- 2. Press and hold the "Start/Stop" button for three seconds to power on the device.

To Stop (Power Off): While the device is on, press and hold the "Start/Stop" button for three seconds to power off.

To Restart: After extending the tube, restart the device by pressing and holding the "Start/Stop" button.



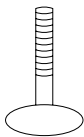

Connecting the Air Nozzle

1. American Air Nozzle

Application: This nozzle is suitable for mountain bikes, electric bikes, motorcycles, and cars.

Inflation: Attach the American air nozzle directly to the device to inflate.

Deflation: To deflate, use a suitable tool to depress the gas release needle within the nozzle.

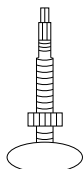

Type	Connector
	

2. French Air Nozzle Adapter

Usage: This adapter is necessary for inflating road bikes and certain mountain bikes.

Inflation: Attach the French air nozzle and connect it to the inflation valve. After inflation, secure by tightening the screw on the tire valve.

Deflation: Remove the French air nozzle and depress the valve to release the air.

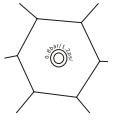

Type	Connector
	

3. Air Needle Usage

Purpose: Use the air needle for inflating sports balls such as basketballs, footballs, and other similar items.

Inflation: Secure the air needle to the American air nozzle, then insert the needle into the ball's inflation port.

Deflation: To deflate, insert the air needle directly into the ball's inflation port without the need for any additional attachment.

Type	Connector
	

Air Pressure Detection

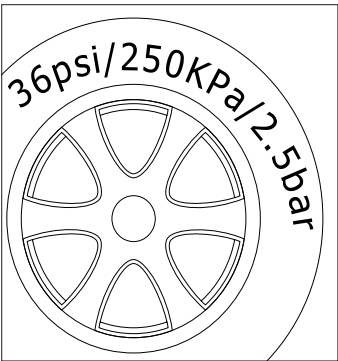
1. Activate the device and connect the tube to the tire or ball you wish to inflate.
2. The device's screen will show the current air pressure.

Checking Air Pressure on Devices

Note: For your safety, always check the vehicle’s manual, bicycle, or sports equipment to verify the recommended air pressure value before inflating the device or equipment. This prevents the risk of over-inflation and potential damage or injury.

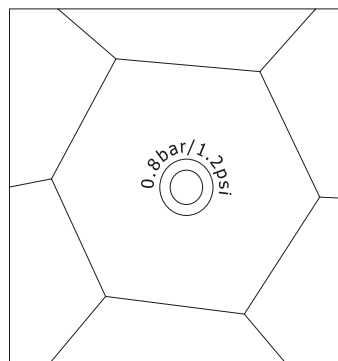
1. Tires

The appropriate pressure range for automobile, bicycle, and motorcycle tires is usually marked on the side of each tire. For some vehicles, the suggested tire pressure can typically be found on a label located inside the driver’s side door. The required inflating pressure varies depending on the vehicle's load weight. For precise guidelines, refer to your vehicle’s manual.



2. Balls

The recommended inflating pressures for sports balls such as footballs, basketballs, volleyballs, and other inflatable balls are typically indicated near the air valve on each ball.



Inflation Pressure List

Device	Product Category	Recommended pressure range
Bicycle	<ul style="list-style-type: none">• Bicycle electric-assisted folding bicycle tire• 12 ,14 ,16 inch bicycle tire• 20 ,22 , 24 inch bicycle tire• 26 ,27.5 ,29 inch mountain bike tire• Electric Scooter Tire• 700C Clincher Bicycle Tire	<ul style="list-style-type: none">• 45-50psi• 30-50psi• 40-50psi• 45-65psi• 45-50psi• 100-130psi
Motorcycle	Motorcycle or Electronic Motorcycle Tire	1.8-3.8bar
Car	Car tire	2.2-2.8bar
Balls	<ul style="list-style-type: none">• Basketball• Soccer Ball• Volleyball• Rugby Ball	<ul style="list-style-type: none">• 7-9psi• 8-16psi• 4-5psi• 12-14psi

Note: The recommended pressure range is intended for reference only. Always refer to the product's instruction manual for precise inflation guidelines.

Inflation Mode Selection

1. Toggle through six available modes by pressing the "Mode" button.

2. To select your preferred unit of air pressure (PSI, BAR, KPA, Kg/cm²), hold the "Mode" button.

A. Zero Mode

Manually set pressure from 3 to 150 psi.

B. Bicycle Mode

1. Default pressure: 45 psi.
2. Adjustable range: 30 to 65 psi.

C. Motorcycle Mode

1. Default pressure: 2.4 bar.
2. Adjustable range: 1.8 to 3.0 bar.

D. Car Mode

1. Default pressure: 2.5 bar.
2. Adjustable range: 1.8 to 3.5 bar.

E. Ball Mode

1. Default pressure: 8 psi.
2. Adjustable range: 4 to 16 psi.

F. Default Value Adjustment

1. After selecting your desired mode, press the "+" or "-" button briefly to modify the preset pressure value.
2. For quick adjustments, hold the "+" or "-" button.
3. The flashing display shows the adjustable preset pressure, while the steady display indicates the current pressure.

LED Light Setting

Activate the "LED Light" button to toggle the light on or off. This feature aids in connecting the nozzle and facilitates operations in dim lighting conditions.

Inflation Instructions

1. Start Inflating

Press the "Power" button after selecting your default mode. The LED display will show the current air pressure.

Note: During inflation, the device may produce a noise level of approximately 75dB. To prevent injury, avoid contact with the tube after extended use due to heat.

2. Stop Inflating

The device automatically stops inflating when the air pressure reaches the preset value. You can also manually halt inflation at any time by pressing the "Start/Stop" button.

3. Important Reminder

Be careful when inflating smaller items like balloons, toy balls, and swimming rings, as their maximum pressure is often lower than the range of this device. You must manually stop inflation at the designated pressure since the device will not stop automatically.

4. Battery and Standby

When fully charged, the device operates continuously for approximately 25 minutes without load at a temperature of 25°C. The operating time may decrease with higher pressure loads or lower ambient temperatures.

5. Remove the Nozzle

The air pipe may be hot after inflation. Be careful when removing the air nozzle. Expect slight air leakage during disassembly; promptly remove the nozzle to minimize air loss.

6. Switch Off

Reattach the tube and turn the device off. If the air compressor is on, press and hold the "Start/Stop" button to switch it off. The device will automatically shut down after 30 seconds of inactivity.

Troubleshooting

Problem	Solution
Low-speed Inflation	<ol style="list-style-type: none"> 1. Ensure the battery is fully charged. 2. Check for any air leakage in the air tube. 3. Verify that the object being inflated is not leaking air. 4. Confirm that the connections at both ends of the tube are securely tightened.
Not Inflating	<ol style="list-style-type: none"> 1. Ensure the tube is properly extended before starting inflation. 2. Charge the battery adequately. 3. Check if the current tire pressure exceeds the preset pressure.
Unable to Adjust Default Pressure	Verify that you have selected the correct inflation mode. If incorrect, switch to zero mode and adjust the inflation pressure within the range of 3 to 150 psi.
Zero Pressure During Inflation	Balloons and other low-pressure inflatable items are beyond the measurement capabilities of the air compressor.
Device Shuts Down Automatically (Upon air nozzle installation)	Reactivate the device by pressing and holding the start/stop button.
Air Leakage	Ensure that the nozzle is securely tightened to prevent air loss.
Charging Issues	<ol style="list-style-type: none"> 1. Confirm that the charging cable is properly connected. 2. If the battery has not been charged for an extended period, it will require some time to begin displaying the charging status after being connected to a power source.

Specifications

Battery Capacity	4000mAh (2000mAh ×2)
Input	5V/2A
Rated Power	70W
Recharge Time	3h
Working Time	Up to 20 minutes (Continuous Inflation)
USB-C Input	5V/2A, 10W
USB-A Output	5V/2A, 10W
Inflation Pressure	3 PSI (Minimum),150 PSI (Maximum)
Inflation Speed	20-23L/Min
Compatible Car Tire Size	175/185/195/215/225/245
Product Function	Tire pressure detection and inflation, Power Bank, Torch light
Product Dimension	125×71×46mm

Disposal



This symbol indicates that your electronic devices must be disposed of separately from household waste at the end of their operational life.



The batteries in this device contain substances harmful to the environment. To help protect our natural resources, you must dispose of batteries in accordance with local regulations. Please do not include batteries with regular household waste. For detailed disposal information, consult the local waste management authority.

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**