



Powerology

**JUMP STARTER
AIR COMPRESSOR**

SKU: PWKF03MBK

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Product Overview

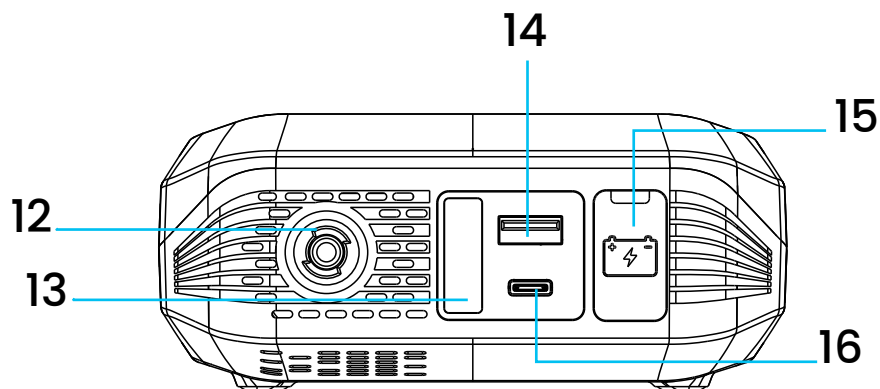
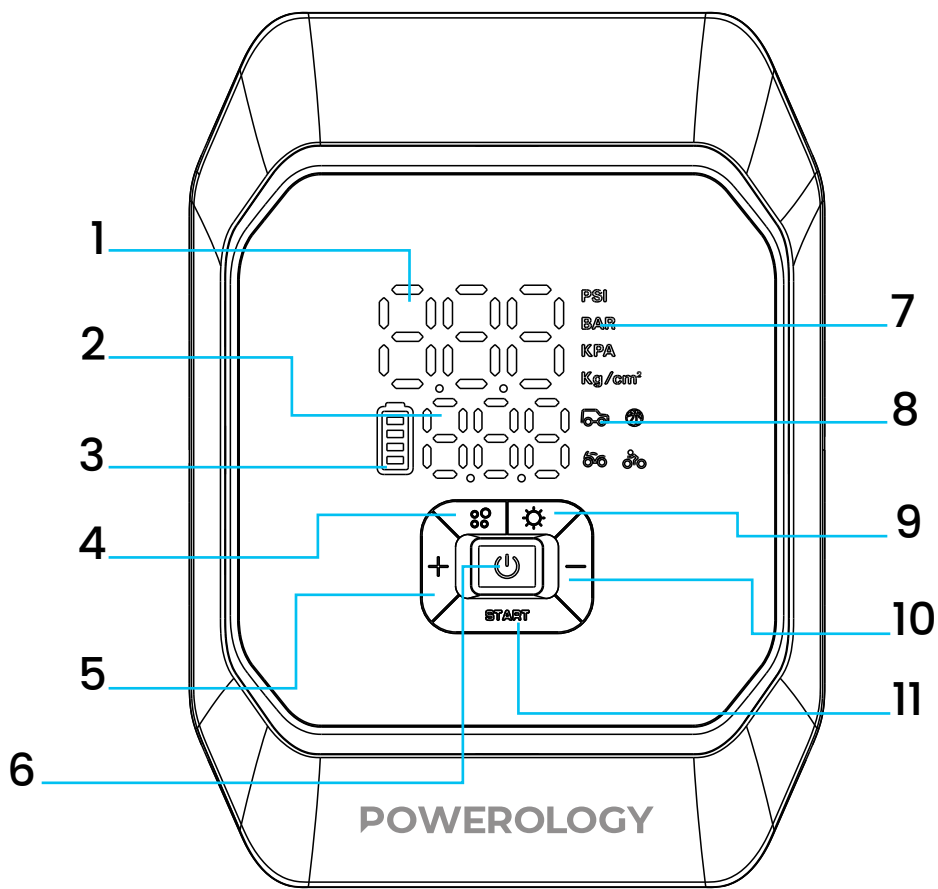
The Powerology InflateBoost Jump Starter & Air Compressor is a versatile all-in-one device designed for inflating, jumpstarting, and powering up your devices. With a smart digital display, it offers precise readings and five inflation modes, including auto-stop inflation. The unit supports up to 160 PSI, and it features a 1000A peak current for jumpstarting vehicles. Additionally, it functions as a power bank with a built-in LED flashlight for emergencies, making it an essential tool for car owners, cyclists, and outdoor enthusiasts. Its ultra-fast inflation capability ensures convenience and reliability in various situations.

Specifications

Model	PWKFO3M
Battery Capacity	10000mAh
Type-C Input	5V/2A, 9V/2A, 12V/2A, 15V/2A, 20V/2.2A
USB-A Output	5V/2A
Peak Current	1000A
Start Current	500A
Airflow Rate	26-28L/min
Air Pressure	160PSI Max
Pressure Unit	PSI, BAR, kPa, kg/cm ²
Supported Vehicles	6L Gasoline 4L Diesel
Operating Temperature	0°C ~ 45°C
Cylinder Size	19mm
Cable Length	33.5cm USB-C cable
Product Size	58 × 130 × 180mm
Product Weight	776g

Product Sections

- 1. Actual pressure value
- 2. Preset pressure
- 3. Battery indicator
- 4. Mode switch/Unit switch
- 5. Power button
- 6. Unit display
- 7. Mode display
- 8. LED switch
- 9. Preset-Start-Stop key
- 10. LED output
- 11. Power interface
- 12. Air hose interface
- 13. LED light
- 14. USB output
- 15. Power Interface
- 16. Type-C charge port



Packing List

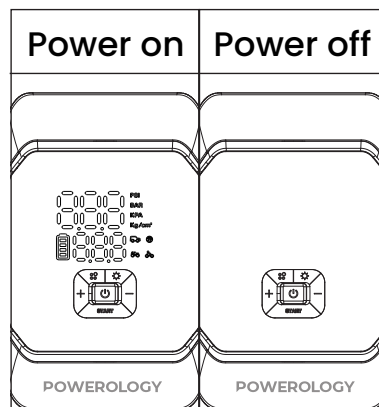
- 1 x Smart air compressor
- 1 x Ball needle
- 1 x Schrader valve air hose
- 1 x Presta valve
- 1 x Type-C cable
- 1 x Clamp
- 1 x Storage cloth bag

Setup Guide

1. Power On and Off

Power On: Press and hold the power button for 3 seconds to start the pump.

Power Off: Press and hold the power button for 3 seconds to stop the pump.



2. Battery Indicator

Different battery levels are shown with the following bars:

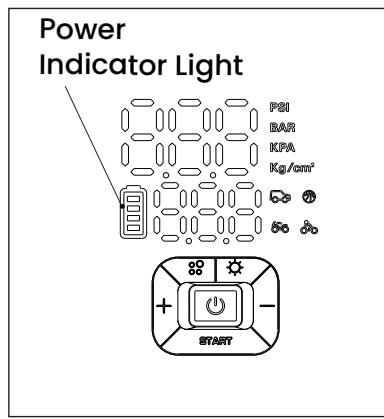
Four bars: 80%– 100%

Three bars: 60%–79%

Two bars: 30%– 59%

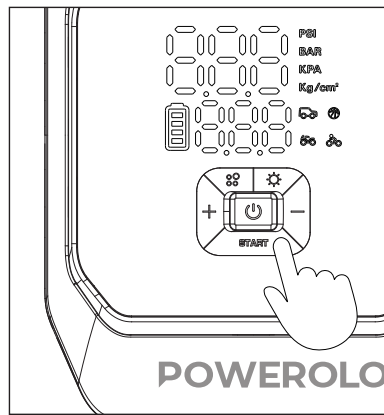
One bar: 5%–29%

Flashing one bar: Below 5 % (charge immediately).



3. Start/Stop Button

In the power-on state, press the start/stop button to start inflation. The pump will stop automatically once the preset pressure is reached.



4. Charging Type

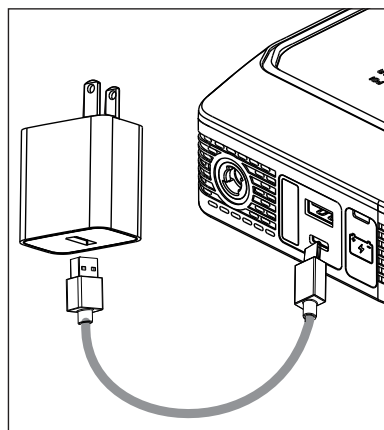
Connect the charging cable to the inflator and the power adapter (sold separately) to charge the device.

Power indicator during charging:

Flashing indicator bar: Charging in progress.

Solid indicator bar: Fully charged.

Tip: Do not use the inflator while charging.



5. Connecting the Air Pipe to the Air Nozzle

Schrader Valve (for mountain bikes, electric bikes, motorcycles, cars):

Inflation: Connect the Schrader Valve to the high-pressure air pipe and inflate.

Deflation: Press the air needle inside the air nozzle with an appropriate tool (such as a 4mm hex wrench) to deflate.

Presta Valve (for road bikes and some mountain bikes):

Inflation:

Connect the Presta Valve adapter to the Schrader Valve interface on the high-pressure air pipe.

Unscrew the Presta Valve screw on the tire.

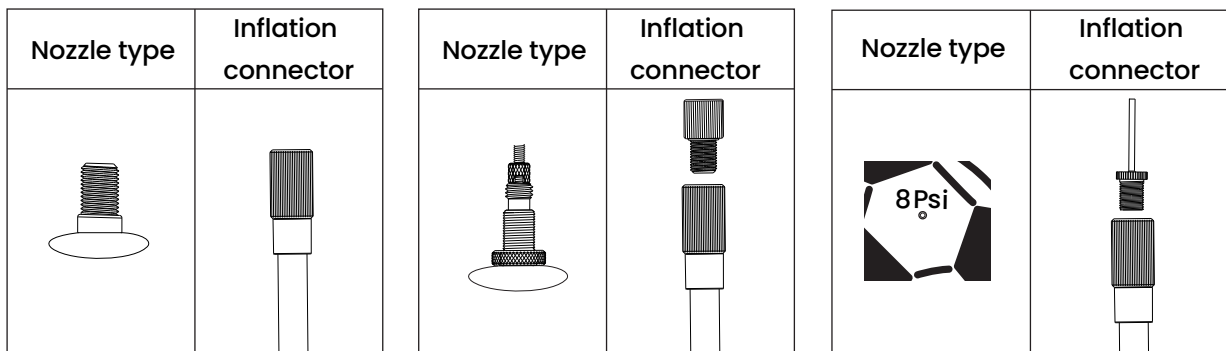
Attach the Presta Valve to the converter to inflate.

Deflation: Unscrew the Presta Valve, press the air nozzle to deflate.

Ball Needle

Inflation: Use a ball needle to inflate basketballs, footballs, and other balls. Insert the ball needle into the ball hole and connect to the Schrader Valve.

Deflation: Remove the needle to deflate the ball.



6. Jump Starter

Connection:

Connect the ignition clamp to the starting power interface, ensuring the red and green lights alternate flashing.

Note: To ensure proper ignition, confirm the power supply is above 50 %.

For starting at zero volts, ensure the power supply is above %75.

Clamping:

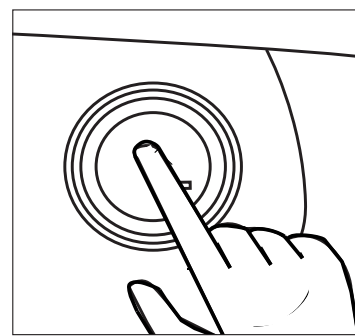
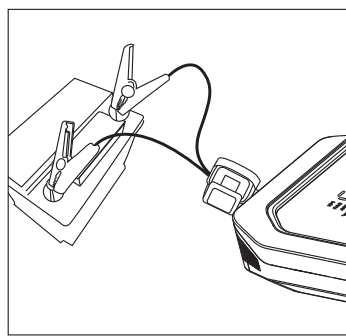
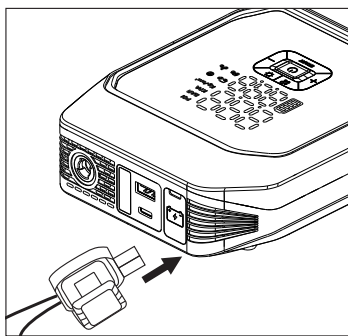
Open the engine hood and attach the ignition clamp to the car battery.

Positive clamp: Connect to the positive pole of the car battery.

Negative clamp: Connect to the negative pole of the car battery.

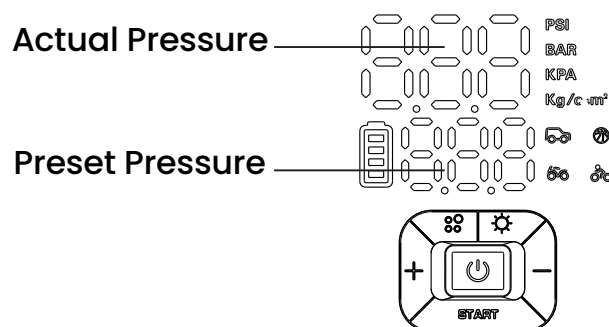
Ignition

To start the car, go back to the car and turn the key. Take off the starting power immediately after successful ignition. Note: For successful ignition, please ensure that the ignition is completed within 30 seconds.




7. Detecting Air Pressure

Short press the start-stop key [K] to stop inflation when the air pressure reaches the preset value [B]. The air pump stops charging automatically. After the machine is on, connect the air hose to the object under test. The measured pressure [a] shows the current pressure.




8. Application Scenario Switch



Short press the working mode key () to select one of 5 inflatable scene modes, as:

Scene Mode	Reference Default Values	Adjustable Range
Car mode	35PSI	2PSI~65PSI
Motorcycle mode	40PSI	2PSI~55PSI
Bicycle mode	38PSI	2PSI~150PSI
Ball mode	8PSI	2PSI~15PSI
Custom Mode	100PSI	160~2PSI


9. Unit Switch

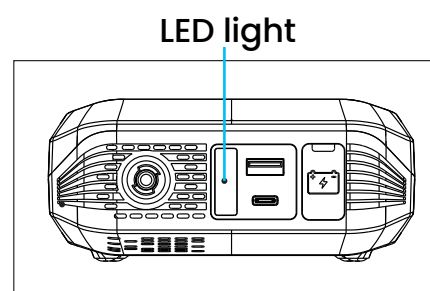
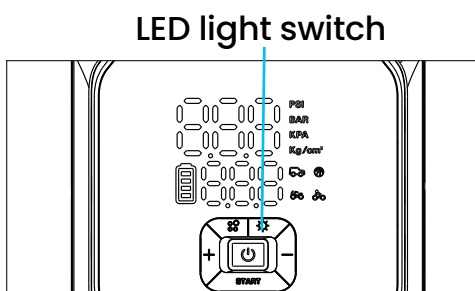
After starting, long press the unit switch key (), you can switch the pressure display. Unit conversion formula is: PSI = 6.89 KPA | BAR = 100KPA | KG/cm² = 9.8 KPA.

10. Short press [ ]: When below 100 PSI, adjust the preset pressure +/-1 PSI.

Long press [ ]: The pump will automatically adjust the preset pressure. You can quickly adjust the pressure.

11. LED Light



Short press the LED light button () to turn on the LED light. Short press again to switch to LED flashing, then press again to turn off the LED light.



12. Quick Air Hose Connector ()

Use the connector to tighten the air hose and turn counterclockwise to the right to unscrew the air hose.

13. Pressure Reset

When the measured pressure value is 0.0, press the [ ] key at the same time to reset the value, and the display will return to normal after the full reset.

Note: This function will be reset to factory settings, which may differ with the sensor or sensor type, when the measured pressure value is manually reset at high temperatures.

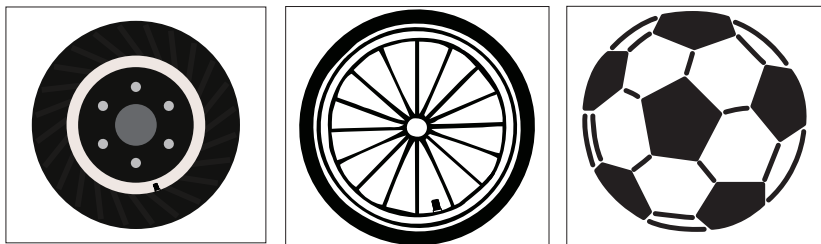
14. Inflation Pressure Reference

To ensure safety, please refer to the instruction manual to check the required air pressure of the inflatable items before inflating to avoid any potential injury caused by excessive inflation.

Car Tire: The range of air pressure that a car's tire can withstand is marked on the side of the tire. The inflation pressure is related to the weight of the load. For more detailed pressure advice, please refer to the manual of the relevant vehicle.

Bicycle Tire: The range of air pressure that a bike's tire can withstand is marked on the side of the tire. The inflation pressure is related to the weight of the load. For more detailed pressure advice, please refer to the manual of the relevant bike.

Balls: The inflating pressure of football, basketball, volleyball, and other balls is marked around the inflating hole. The infl



Safety Precautions

Do not leave the product unattended during inflation.

Avoid placing the air pump near flammable or explosive items.

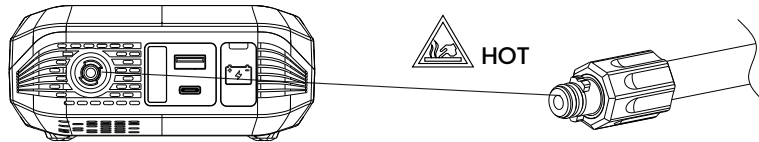
Keep the product away from moisture, sediment, and areas prone to falling.

Do not place the product in extremely cold or hot environments.

Never throw the product into fire or dispose of it carelessly.

Keep the product out of reach of children.

When unscrewing the air hose, the air hose and the air pipe connector will generate high temperature due to long working time. Do not touch the air hose with your hands for a long time.



Common Product Air Pressure

Product Category	Product Type	Pressure Range
The bicycle	Children's toy car	18~30PSI
	10-16 inches tires	30~45PSI
	20-30 inches tires	38~55PSI
	Road bike	100~120PSI
	Xiaomi 9th balance car	40~60PSI
	A wheelchair moped	30~45PSI
The motorcycle	Motorcycles/ Electric motorcycles	1.8~3.0BAR
The automotive	The car	2.2~2.8BAR
The ball	Children toy ball	3~6PSI
	Basketball	7~9PSI
	Football	10~12PSI
	Volleyball	4~6PSI
	Rugby	10~14PSI

Malfunction Clearing

Malfunction	Trouble shooting
Slow Inflation	<ol style="list-style-type: none"> 1. Whether the electricity is sufficient. 2. Check the air hose for air leaks. 3. Check whether the connecting parts at both ends of the air hose are tightened. 4. Check inflated items for air leaks.
It has been turned on but cannot inflate	<ol style="list-style-type: none"> 1. Whether the electricity is sufficient. 2. Check whether the current tire pressure is higher than the preset value.
The preset pressure cannot be turned up or down	Check whether the inflating mode is correct. Select custom mode to adjust preset values from 2-160 psi.
Inflation is normal but the pressure is shown to be 0	<ol style="list-style-type: none"> 1. Low pressure products such as balloons are not within the measurable range of this equipment. 2. In the case of empty tire, the tire pressure value can be shown only by inflating the tire for a short period of time.
After twisting the air nozzle, the tire pump has automatically shut down	3 minutes automatic shutdown, long press the start button to start again
There is air leakage when connecting the air hose	Tighten the air hose
The color of the power indicator in the inflation state is different from that in the standby state	There is an obvious voltage drop in the discharge process of the lithium battery, which leads to the color inconsistency between the indicator light in the charging state and the standby state. This phenomenon is not a fault.
The power indicator is off after charging	Replace the safety-compliant charging cable and adapter to charge again.

Important Notes

The products, accessories, user interface, and other illustrations in the manual are schematic diagrams provided for reference purposes only. Due to product updates and upgrades, there may be slight differences between the actual product and the schematic diagram.

If the product is not used for more than six months, please charge it every three months to maintain optimal performance.

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

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