User Manual

Jump Starter
with Air Compressor
JSC12

FinePower

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Dear Customer,

Thank you for choosing our products.
We are pleased to offer you products and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the product, please read this manual carefully. It contains important information regarding your safety, as well as recommendations for the proper use and care of the product. Please keep this manual in a safe place and use it as a reference guide during future operation of the product.

Intended Use

The portable jump starter is designed for starting vehicle engines and charging mobile devices.

Safety Precautions

- Carefully read this manual before using the device and keep it for future reference.
- The device is intended only for vehicles with 12 V batteries. Using it with vehicle batteries of other voltages may result in serious injury or equipment damage.
- This device is not intended for use by children or persons with reduced physical, sensory, or mental capabilities, unless they are supervised by a person responsible for their safety. Do not allow children to play with the device.
- Do not attempt to start the vehicle more than three times in a row, as this may damage the device. Check the vehicle for other possible reasons why it will not start.
- Fully charge the device before first use. Charge the device at least once every 3 months.
- If visible damage is detected, immediately discontinue use and contact an authorized service center.
- Do not use this device in the immediate vicinity of water sources. Never place the device under running water or submerge it in water.
- Protect the device from impacts, drops, vibrations, and other mechanical stresses.
- Do not disassemble the device yourself to avoid electric shock. This device contains no user-serviceable parts. Maintenance and repair must be performed only by qualified specialists at an authorized service center.
- Failure to observe safety precautions may result in damage to the jump starter or vehicle, explosion, fire, electric shock, and injury.
- This device is not intended for commercial use.

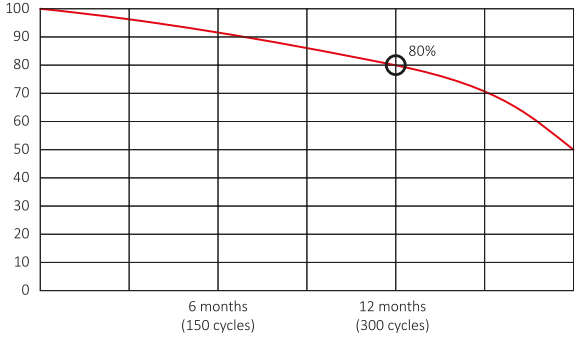
Rechargeable Battery Guidelines (Li-pol/Li-ion)

Dear Customer, please note that this device uses a lithium-based rechargeable battery as its power source. Please carefully read the information below to help extend the life of your battery and prevent undesirable consequences during its operation.

Battery Capacity and Charge-Discharge Cycles

During prolonged storage and use, the rechargeable battery (hereinafter referred to as «the battery») tends to lose its charge and capacity. After 300 charge-discharge cycles (approximately one year of device use), the battery capacity may decrease to 80% of its nominal value. After 400 charge-discharge cycles, the battery capacity may decrease to 60% of its nominal capacity. Partial capacity reduction within these limits and time frames is natural battery wear and is not considered a defect.

Battery Capacity and Number of Charge-Discharge Cycles



Natural Battery Wear

The battery loses charge even when stored separately from the device. The self-discharge rate is approximately 5% per month. Due to their design, rechargeable batteries have a limited service life and gradually degrade regardless of whether they are in use. This degradation accelerates at higher temperatures and when the charge level deviates from the «optimal» storage level, which is generally considered to be 40%. In other words, if the battery is not in use, it is advisable to keep the charge level between 40% and 50%.

Use Only the Original Charger

The battery's charge and discharge capability is controlled by its built-in Battery Management System (BMS). Forced «fast charging» modes using external chargers for Li-ion batteries are strictly not recommended, as charge and discharge currents are limited. Li-ion batteries do not have a so-called «memory effect». You can start charging or discharging the battery from any charge level.

Most devices have charge and discharge limits—the controller may prevent the battery charging if, for example, the charge is already above 90%. It will also prevent the battery from fully discharging, protecting the cells from damage. Even if the device is powered from the mains, the Li-ion battery should undergo a full charge/discharge cycle at least once a month (until the «low battery» warning appears). Never let the battery discharge completely. A Li-ion battery degrades quickly if stored in a discharged state for a prolonged period. If this happens, charge it immediately. If the battery remains in a discharged state for two weeks or more, irreversible capacity loss occurs in the cells, which will ultimately lead to battery failure.

Observe the Temperature Requirements

Batteries must be stored in a charged state at temperatures between +15 °C and +35 °C with normal humidity. Batteries do not perform well during prolonged operation in very high (above +40 °C) or very low (below -10 °C) ambient temperatures. Do not leave the battery in direct sunlight.

Do Not Disassemble, Burn, or Use Damaged Batteries

Under no circumstances should you attempt to disassemble the battery or charge its individual cells. For repair or maintenance, please contact an authorized service center. Puncturing or crushing the cells can cause an internal short circuit, leading to fire and explosion. Melting of lithium due to high temperatures can also cause an explosion. If the seal is broken, water or condensed atmospheric moisture can enter the cell, potentially triggering a reaction that releases hydrogen and causes a fire. You can check the current battery status using the battery indicator, which is available on almost all devices (please check its location and operation method at the time of purchase).

CAUTION!

- Be careful — damaged batteries may release harmful substances.
- If the battery is replaceable (removable), and you discover problems with its performance, contact a service center (see the warranty period in the warranty information). If the battery is built-in (an integral part of the device), the warranty applies to the device itself. You should also contact a service center. The sooner a malfunctioning battery is taken in for repair, the better the chances of restoring it at minimal cost.
- Battery operating time depends on many other factors, and the actual operating time may differ from the stated value.
- Rechargeable batteries have a limited number of charge cycles and may eventually need replacement (see the limited warranty conditions for the battery in the warranty information). Battery operating time depends on the usage mode and settings.

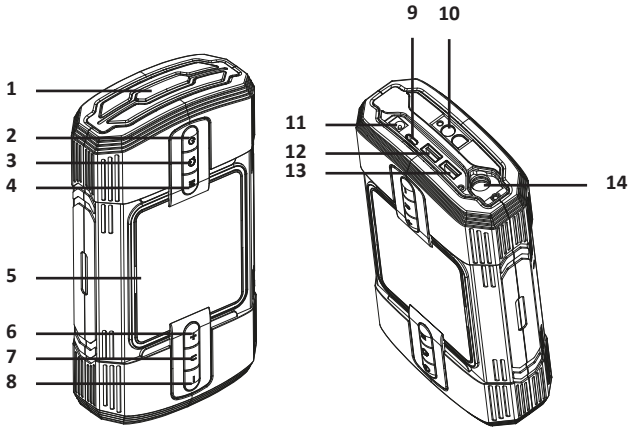
Specifications

- Model: JSC12.
- Trademark: FinePower.
- Supply voltage: 12 V.
- Battery capacity: 12,000 mAh.
- Power parameters:
  - Input USB-C (USB-C-IN): 5 V / 3 A, 9 V / 2 A, 12 V / 1.5 A.
  - Output USB-A (USB-1-OUT): 5 V / 3 A, 9 V / 2 A, 12 V / 1.5 A.
  - Output USB-A (USB-2-OUT): 5 V / 2.4 A.
  - Output DC (DC-OUT): 12–16 V ⎓ 10 A.
- Starting current: 300 A.
- Peak current: 600 A.
- Device charging time: 3 hours.
- Maximum gasoline engine displacement: up to 3.5 L.
- Maximum diesel engine displacement: up to 2.0 L.
- Air compressor: 10 bar / 150 PSI.
- Operating temperature: -20 °C to +60 °C.
- Dimensions: 232 × 127 × 54 mm.
- Weight: 1.04 kg.
- Service life: > 1000 charge cycles.
- Protection against:
  - Short circuit.
  - Reverse polarity.
  - Overcurrent.
  - Overheating.
  - Deep discharge.
  - Overcharging.
- Scope of application: Domestic.

Package Contents

- Device.
- Jumper cables with protection module.
- USB to Type-C charging cable.
- Air hose.
- Adapter set (3 pcs).
- Storage case.
- User manual.

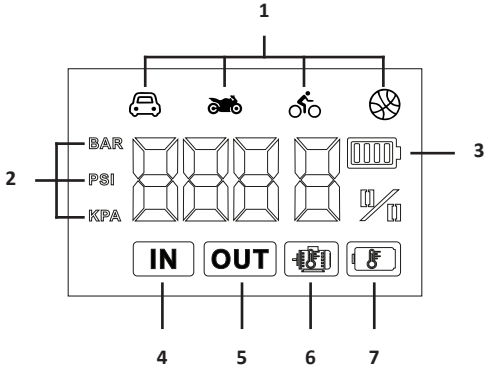
Device Diagram



1. Flashlight.
2. Power button.
3. Compressor button.
4. Operating mode selection button.
5. Display.
6. Pressure increase button.
7. Unit of measurement selection button.
8. Pressure decrease button.
9. DC output.
10. USB-C input.
11. USB-A output (USB-2).
12. EC5 connector for jumper cable.
13. USB-A output (USB-1).
14. Air hose port.

Operating Instructions

Display



1. Compressor operating modes.
2. Pressure units of measurement.
3. Battery level indicator.
4. Charging indicator.
5. Operation indicator.
6. Compressor motor overheating indicator.
7. Overheat protection activation indicator.

Control Buttons

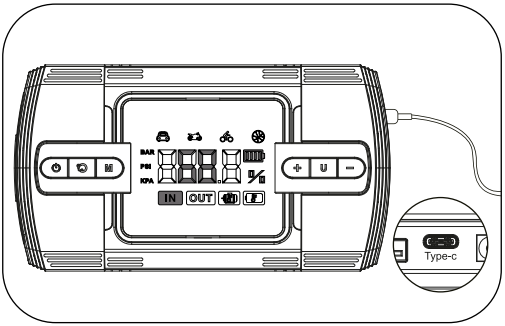
Button	Description
⏻	Press to turn on the device. Press and hold to turn the flashlight on/off
	Press to turn the compressor on/off
M	Press to switch the compressor operating mode
U	Press to select the desired pressure unit of measurement
+	Press to increase pressure. Each press increases pressure by 1 PSI / 1 kPa / 0.1 bar
−	Press to decrease pressure. Each press decreases pressure by 1 PSI / 1 kPa / 0.1 bar

Press the power button; the display will show the battery level and the active output port.

Charging the Device

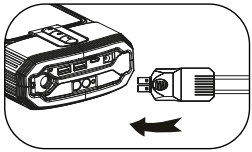
CAUTION! Fully charge the device before first use. Do not use the device while charging.

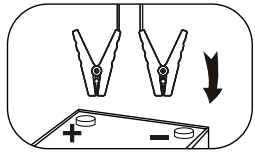
1. Connect the charging cable to a USB power source.
2. Insert the charging cable into the USB-C input to charge the device.
3. During charging, the corresponding indicator will light up. After charging is complete, the indicator and display will turn off.

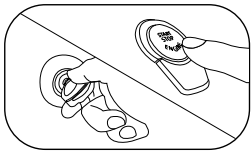


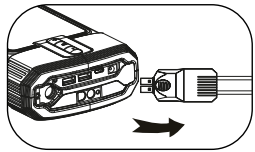
Using as a Jump Starter

1. Ensure the jump starter is charged to at least 80%.
2. Insert the jumper cable fully into the corresponding port.
3. Connect the red clamp to the positive (+) terminal of the vehicle battery, and the black clamp to the negative (-) terminal.
4. Start the vehicle engine; the interval between start attempts must be at least 30 seconds. If the engine does not start after 3 unsuccessful attempts, stop trying and check the vehicle for possible engine or electrical circuit problems.
5. After a successful engine start, disconnect the cable from the jump starter within 30 seconds, then disconnect the red and black clamps from the battery terminals.





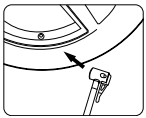
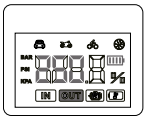


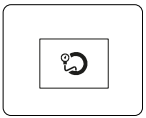
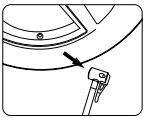


Using as a Compressor

Tire Inflation

1. Connect the air hose to the tire valve.
2. Press the «M» button to select the operating mode. If the default pressure does not match the required pressure, adjust it manually.
3. Press the «⟲» button to start inflation.
4. The compressor will stop automatically upon reaching the set pressure.

Pressure Adjustment

CAUTION! Make sure the desired pressure is selected correctly before adjustment.

1. Press the «⏻» button.
2. Press the «M» button to select car, motorcycle, bicycle, or ball mode.

Compressor operating mode				
Default pressure	36 PSI	36 PSI	60 PSI	8 PSI

3. If the preset value differs from the required one, use the increase «+» or decrease «−» buttons to set the air pressure manually.
4. Press the «V» button to select the desired unit of measurement. The corresponding icon will blink 3 times, confirming the unit selection.

Flashlight Function

Press the power button to turn on the device. Press and hold the power button to turn on the flashlight. Press the button to switch operating modes (steady light, strobe, SOS, warning).

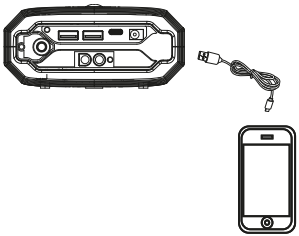


Note: In warning mode, the flashlight flashes orange rapidly.

Charging Electronic Devices

1. Connect the cable to the electronic device to be charged.
2. Connect the charging cable to the USB-1 or USB-2 port.
3. Press the power button to start charging. The operation indicator will flash on the display.

Powering 12-Volt Battery Devices



1. Connect the power cable* to the DC output port.
2. Connect the cable to the device to be powered.

* Not included in the package.

Jumper Cable Status Indicators

Indicator	Comment
Flashing red and green	Jumper cable connected
Solid green	Device ready for operation
Solid red	Deep discharge protection. Charge the device
	Overheat protection. Disconnect clamps from terminals
	More than 30 seconds have passed since engine start. Disconnect clamps
Solid red with intermittent beep	Reverse polarity protection. Ensure clamps are connected correctly
Solid red with continuous beep	Short circuit protection. Do not connect clamps to each other or to the same terminal

Error Codes

Error Code	Description
H8	Battery temperature is above 60 °C. Allow the device to cool down before use
H0	Battery temperature is below -20 °C. Allow the device to warm up before use
H–	Compressor has been running continuously for 10 minutes. Allow the device to cool down for at least 30 minutes before using it as a compressor

Troubleshooting Guide

If you encounter problems while using the device, try to resolve them using this table. If the suggested solutions do not resolve the issue, contact an authorized service center.

Issue	Cause	Solution
Jump starter does not work	Low battery level	Charge the device to 80% or higher
	Poor contact due to rust or dirt on vehicle battery terminals	Clean the terminals and reconnect the clamps
	Overheat protection activated	Allow the device to cool down for 1 minute and try again
	Clamps connected incorrectly	Ensure clamps are connected correctly
	Problem is not related to the vehicle battery	Check the vehicle for other issues
	Incompatible battery voltage	The device is designed for use with 12 V batteries
 indicator is lit	Overheat protection activated	Allow the device to cool down before use
 indicator is lit	Compressor motor temperature exceeds 80 °C	Allow the device to cool down before use

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal

- The device does not require installation or permanent mounting.
- The device must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The device must be transported under dry conditions.
- The device requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the device must be carried out in accordance with local legislation.
- Upon expiration of the device's service life, it must not be disposed of with unsorted household waste. Instead, it must be taken to an authorized collection point for electrical and electronic equipment for subsequent recycling and disposal in accordance with federal or local legislation. By ensuring proper disposal of this product, you help conserve natural resources and prevent potential harm to the environment and human health that may result from improper handling. For more detailed information about collection and disposal points for this product, please contact your local municipal authorities or your household waste disposal service.
- If a device malfunction is detected, immediately contact an authorized service center or dispose of the device.

Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

Warranty Period: 12 months
Service Life: 24 months

For the up-to-date list of authorized service centers, please visit:
https://www.dns-shop.ru/service-center/

Additional Information

Manufacturer: Dongguan Carpower New Energy Co., Ltd.
No. 5, Lane 1, Xinxing Road, Nanzha, Humen Town, Dongguan,Guangdong, China.

Made in China.

The product meets the requirements of the applicable GOST standards of the Russian Federation.

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.

Production date (mm.yyyy): _____ V.1


FinePower