4WD ESSENTIALS KIT



Power Bank



Tyre Inflator



Vacuum Cleaner



Car Washer

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Power Bank



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Product Introduction

Power bank is a product that can provide power for a variety of devices. The body is equipped with multiple input and output interfaces such as Type-c, USB, DC, wireless charging, metal contacts, etc. It can output 5-12V voltage. The USB output can power various digital products, and the metal contacts can power a variety of series products developed by the company. The DC output is combined with the cigarette lighter adapter cable, which can charge various car electrical appliances or equipment with a power of less than 120W. Some models of power bank have a wireless charging function on the top, which supports wireless charging of mobile phones with wireless charging function.

Some models of Power Bank have an emergency jump-start function for car engines at the bottom, which makes driving more secure.

Power Bank uses a high-safety lithium battery pack inside, which has reliable battery overcharge, over-discharge, short circuit, temperature and other protections, making it safe for users to use the product.

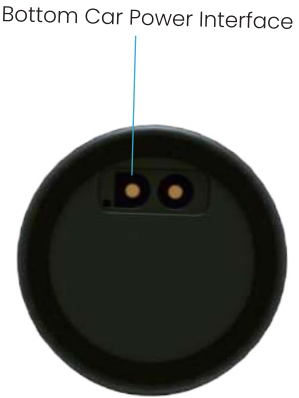
Model and specifications

Parameters may change with product upgrade, please understand.

Product Name	Jump Start / Power Bank	LED Light	1W
Model	NLB-C	Wireless Charging	15W (Compatible With 5W/7.5W/10W)
Battery Capacity	5000mAh (12V) 55.5wh	Start The Interface	Instantaneous Start Maximum Current(300A)
Total Battery Capacity	15000mAh (3.7V)	Charging Temperature	1 ~ 45 Degrees Celsius
Charging Port	Type-C Input 15W	Discharge Temp	-20 ~ 60 Degrees Celsius
USB Output	22.5W (Support 5V/9V)	Product Weight	523g
DC Output	12V/130W	Size	65.5mm x 149mm

Product Description





Power Switch

1. The standard version of Power Bank has a power switch and a power indicator. Touch the power switch to power on, and touch it again to turn off all circuits. If the standby time exceeds 30 minutes, the power bank will shut down automatically.

2. The three power indicator lights, from left to right, each represents about 33.3% of the power. When charging, the indicator light equal to the battery capacity will flash. When the battery is fully charged, the three indicator lights are always on. When only the first light is on and flashing, it means that the power is less than 10% and needs to be charged in time.



Press and hold for 3 seconds to switch the indicator light to night mode, reducing brightness by 50% and disabling the automatic shutdown function. Press and hold again to switch back to normal mode, which will automatically shut down after 30 minutes of standby.

Charging Instructions

1. The mobile power bank uses a Type-C charging interface. The default configuration has a charging cable (without a power adapter), which is the same as the Type-C charging port on the mobile phone. Users can use a mobile phone data cable with a Type-C interface to charge, and the charging power is about 15W. The fast charging adapter that comes with the mobile phone can improve the charging efficiency and shorten the charging time (such as supporting output 5V=3A-5A, 9V=2A, etc.).
2. It is normal for the body and data cable to heat up during charging.
3. Charging suggestions: You can recharge the battery at any time when the battery power is 5%-95%, and try to avoid charging after Battery drained. When not in use for a long time, please charge it every 3-4 months. This can extend the battery life and avoid risks such as battery damage.







Configure universal 5A data cable

USB Output Function

1. The USB output function supports a variety of mobile phone fast charging protocols, and can be used with data cables to charge mobile phones and other digital products.

2. The maximum output power is 22.5W, supporting outputs of different voltages such as 5V=3.4A, 9V=2A, etc. It is normal if the USB interface and the top of power bank are heated during charging.



Metal Contact Output

1. The output contacts on the top of the mobile power bank are positive on the left and negative on the right. The output contacts are specially developed for the series of products developed by our company for output power supply.

2. When the power switch is turned on, please be careful not to place metal objects or conductive objects on these two contacts to avoid short circuits. The mobile power bank is equipped with short circuit protection. If a short circuit occurs, it will automatically shut down. It takes 2-8 seconds to reactivate the mobile power bank.

3. When the two contacts are powering the product, it is normal for heat to occur.





Rotating Buckle and Protective Ring

There is a rotating buckle inside the red protective ring, which can be rotated and combined with many series of products of our company to form an integral whole and provide power for these products.When you want to use the rotating buckle, just rotate and remove the red protective ring.





DC Socket Output and Input Function

The DC interface of the standard mobile power bank is a single output interface with a DC specification of 5525. It can continuously output a maximum voltage of 12V/about 10A current/about 120W power. If a cigarette lighter adapter cable is selected, it can be used to power various vehicle-mounted devices or small vehicle-mounted appliances with a power of less than 120W.



Wireless Charging

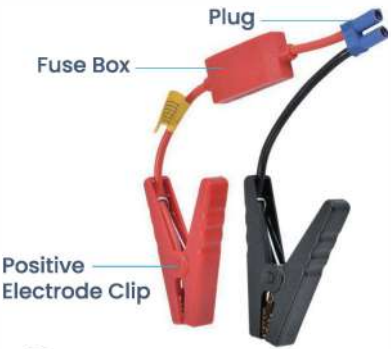
1. Some models of mobile power banks are equipped with wireless charging function, with an output power of about 15W, which can support most mobile phones with wireless charging function on the market.

2. When wireless charging is performed, the top of the mobile phone and mobile power bank will heat up, which is normal.



Car Power Interface

When the car battery is low on power and the car cannot start, open the protective plug at the bottom of the product, insert the jumper plug into the jumper interface at the bottom of power bank, clamp the red clip to the positive pole of the car battery, and the black clip to the negative pole of the battery. The car can be started at this time. After starting the car, the clip should be removed within 30 seconds, otherwise there is a risk of burning out the fuse box.







(1)Depending on the vehicle model, it can start gasoline engines with a displacement of less than 6.0L and diesel engines with a displacement of less than 3.0L.

(2)Ambient temperature:-20 degrees ~ 60 degrees.

Warning:

1. Do not start continuously, the interval between each start should be more than 30 seconds. 2. Do not connect the red clip to the black clip, otherwise the fuse box will burn out. 3. Do not connect the red clip to the negative pole of the battery, and do not connect the black clip to the positive pole of the battery. Otherwise, the fuse box will burn out.

LED Lights

When the device is powered on, long press the power switch to turn on the LED light. Press the power switch again to turn off the LED light. If you long press the power switch again when the LED is on, the LED will switch to flashing mode. Press the power switch again to turn off the LED light.



Mobile Phone Holder

When car users use mobile power for wireless charging, it is recommended to purchase the special mobile phone holder (included in this product). When the mobile power and mobile phone holder are rotated together and placed in the car cup holder, it can ensure that the mobile phone will not fall off during wireless charging while driving.







Precautions

1. Do not disassemble or repair the mobile power bank by yourself.

2. Do not drop, knock or shake the mobile power bank.

3. Do not expose the mobile power bank to rain or water, and avoid long-term exposure to sunlight.

4. Do not store it together with flammable or explosive items.

5. The above matters may cause damage to batteries, circuit boards, chips, components, etc.

6. Please place the product out of reach of children.

Warranty and After-Sales

1. This product strictly complies with the provisions of the National Three Guarantees Law.
2. This product has a warranty period of one year. Free repair and replacement of accessories during the warranty period, and corresponding repair and accessories fees will be charged after the warranty period.
3. If the product and packaging are intact and do not affect secondary sales, you can enjoy a 7-day unconditional return and exchange service.
4. If there is a non-human fault within 15 days of product use, we will provide a free replacement service.

The following situations are not covered by free repairs:

1. Product failure or damage caused by failure to install, use, maintain, or store the product in accordance with the instructions for use.
2. Expiration of the warranty or replacement period.
3. Unauthorised modification of the product's inherent settings or unauthorized disassembly and repair.
4. Product failure or damage caused by unexpected factors or human behavior, such as input of inappropriate voltage, high temperature, water ingress, mechanical damage, breakage, etc.
5. Damage caused by transportation, loading and unloading during the product's return for repair by the customer.

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Vacuum Cleaner



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Product Introduction

Vacuum Cleaner is a multifunctional product. The body is small but has good suction. This is due to the excellent internal air duct design, all-aluminium impeller and high-speed stable motor, and the filter screen in the dust hood adopts double-layer filter element design. The outer metal grid and the inner high air volume filter screen can better separate debris and filter air, and it is also easier to clean. The body is provided with a DC interface and a contact interface. The DC interface can be connected with power cord, and the contact interface can be combined with Power Bank.

Power Bank provides power, making it a wireless vacuum cleaner, which is better and more convenient to use. Some models of Power Bank are also equipped with USB output, wireless charging of mobile phones and other functions.

Product Parameters

Parameters may change with product upgrade, please understand.

Model	BYX01
Vacuum Degree	19000Pa
Motor Power	120W
Gear Position	Two Gear
Input Voltage	12V
DC Input	12V
Dust Capacity	100ml
Filter	Stainless Steel Filter+HEPA Filter Element
Battery Life	Level 1 – 50 minutes Level 2 – 30 minutes
Weight	260g
Product Size	66mm x 324mm

Product Description



Left and Right air Outlets

Vacuum Cleaner DC



Dust Hood

Filter Element

Vacuum Cleaner Switch

Power Switch

Power Battery

Connection Points

After the device is connected to the power bank, the power bank supplies power to this product via spring contacts.



Dust Hood and Filter Element

1. The dust cover is translucent and connected to the body through a rotating buckle.

2. The vacuum cleaner uses a double-layer filter element, the outer layer is a metal filter, and the inner layer is a HEPA high-efficiency filter element. Both filters can be directly washed in water.



DC Interface and Air Outlet

1. When there is power bank or power bank is out of power, you can directly plug the optional car connection cable into the DC interface to directly power the vacuum cleaner.

2. There are air outlets on both sides of the vacuum cleaner body.





Wireless Model Use Methods

1. Remove the protective ring of power bank, so that the buttons of power bank and the buttons of the vacuum cleaner are on the same surface, align the unlock mark of power bank with the small triangle mark on the installation interface of the vacuum cleaner and connect them, then rotate the power bank to the right to align the lock mark of the mobile power supply with the triangle mark of the vacuum cleaner, indicating that the installation is complete.







2. Press the power bank switch to start supplying power, then press the vacuum cleaner switch to start the vacuum cleaner, and press it again to turn it off.

3. Remove the dust cover from the machine body, take out the internal filter, and pour out the garbage in the dust cover.

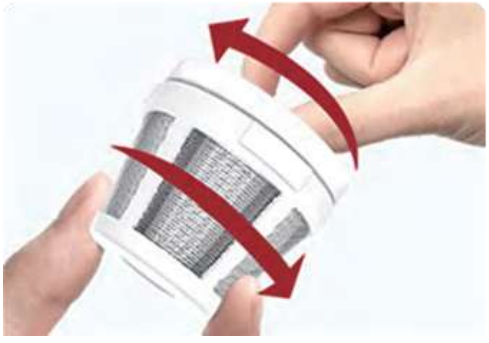
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02



03

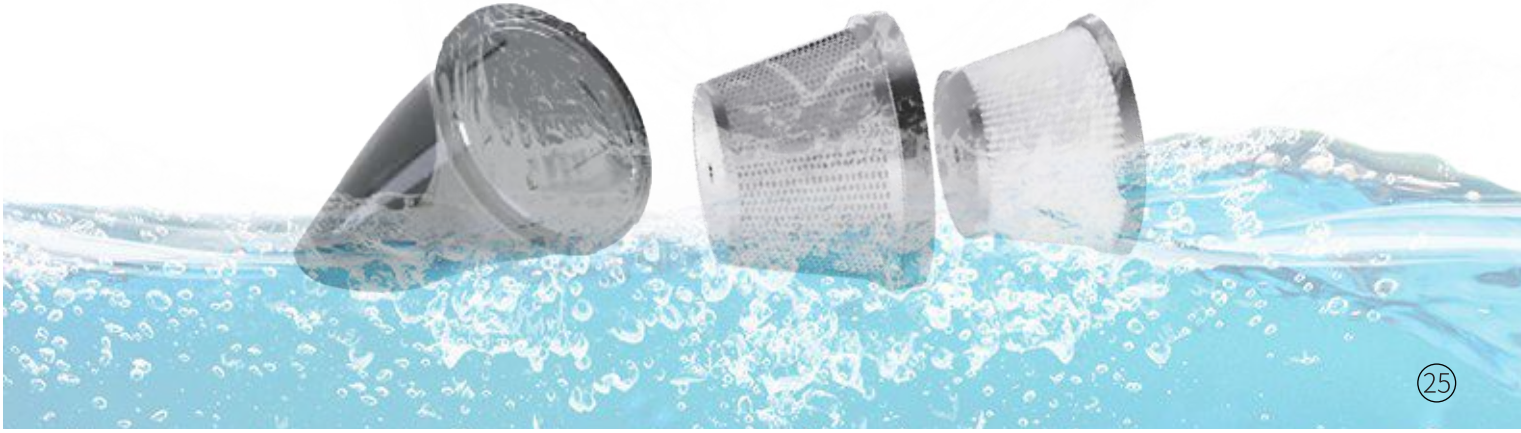


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Cleaning Method

1. There are circuit boards, motors, etc. inside the vacuum cleaner, which should not be exposed to water.
2. The dust cover, outer metal filter, and inner HEPA filter of the vacuum cleaner can all be washed in water. After washing, please wipe them dry before putting them back into the body to prevent water droplets from entering the body.



Attention

1. When using for the first time, please make sure that the power bank is fully charged for the wireless model. Please carefully check whether the parts in the vacuum cleaner are intact, and whether the dust cover and filter are rotated and fixed in place as required.
2. Please read this instruction manual carefully. Please use the original spare parts of our company and do not replace them with other accessories.
3. If the dust cover or filter of the vacuum cleaner is damaged or partially damaged, please do not use it and replace it, otherwise it will cause damage.
4. When using a vacuum cleaner, try to keep loose clothes, hair, and fingers away from the dust inlet, and do not suck burning objects such as cigarette butts, paper, charcoal, etc.
6. Do not use severely corrosive liquids to clean the vacuum cleaner, such as thinner, paint, etc.
7. In order to avoid fire or explosion caused by power supply and sparks generated by electrical equipment, please be sure to stay away from flammable and explosive objects or liquids.

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Tire Inflator



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Product Introduction

Tyre inflator pump is a wireless convenient one with small volume and high inflation efficiency. It is small in size, but thanks to the excellent structural design of motor and air pump by engineers and the continuous optimisation and improvement of materials, it has better inflation efficiency and service life than many similar products.

The tyre inflator pump supplies power through the rotating connection of Power Bank, so that it does not rely on the traditional fixed power supply. Therefore, it can satisfy more application scenarios in life. The numerical value of the air pump is displayed on a digital display screen. The required tire pressure value can be set in advance, and when the air pump reaches the set tyre pressure value, it will automatically stop inflation. For the convenience of users, we also designed four inflation modes for the air pump, such as car, motorcycle, bicycle and ball. Each mode has set a general value and can be directly inflated. The top of the air pump is also provided with a light, which is convenient for users to provide lighting when inflating at night.

Some models of power bank are also equipped with USB output, DC input, mobile phone wireless charging and other very practical functions in life.

Product Parameters

Parameters may change with product upgrade, please understand.

Model	BYC01	Type	Wired/Wireless	Sizes	145mm x 200mm x 75mm
Weight	677g	Motor Power	120W (MAX)	DC	DC-5525-12V
Voltage	12V	Illumination lamp	Have	Cylinderblock	Metal Cylinder Block
Air Output	38L/min		Temperature protection		120degrees
The tyre pressure is set to stop when it is full according to the setting					
Unit defaults: 2.5 bar for cars, 2.4 bar for motorcycles, 45psi for bicycles, 8psi for basketball					
Adapter: Standard 3 adapters					
Battery life: NLB-C (35min)					

Product Description

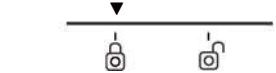


Wireless Use

1. Remove the decorative ring of power bank, so that the buttons of power bank and the buttons of the tyre pump are on the same surface, align the unlock mark of power bank with the small triangle mark on the installation interface of the tyre pump and connect them, then rotate power bank to the right to align the lock mark of power bank with the triangle mark of the tire pump, indicating that the installation is com-plete.









2. Rotate one end of the inflation tube to connect to the outlet of the inflation pump, connect the other end of the nozzle interface to the tire valve of the car, and press the nozzle switch to lock it.

3. Press the power switch of power bank. At this time, the inflation pump screen lights up and is in the power-on state. Press the R key to switch the following four inflation modes. Long press the R key to switch the unit.

4. Bicycle Adjustment range 30 ~ 150 PSI Default 45PSI

Motorcycle Adjustment range 1.6 - 4.0 Bar Default 2.4 Bar

Car Adjustment range 1.8 ~ 4.0 Bar Default 2.5 Bar

Ball Adjustment range 4 ~ 16 PSI Default 8PSI



5. The default inflation mode is car tyre mode, the unit is Bar, the parameter is 2.50, press the R key to switch to other modes.



Car 2.50 Bar



Motorcycle 2.40 Bar



Bicycle 45 Psi



Basketball 8 Psi

6. There is a temperature protection switch inside the air pump. When the temperature inside the air pump is too high, it will automatically stop inflating and the screen will display "hot" (as shown in the right picture). When the screen returns to the normal tire pressure value, you can press the start button again to start running.



7. After setting the inflation mode and value, press the air pump start button, and the air pump will start to inflate. It is normal to hear a loud sound during the inflation process.

8. When the inflation value reaches the set value, the air pump will automatically stop inflating.

9. When the air pump is just inflated, the air pump body and both ends of the inflation tube will be hot. It is recommended to stop the machine for 2-4 minutes to cool down before taking it to avoid high temperature burns on the skin.



10. When inflating at night, you can press the lighting switch to turn on the LED light to provide emergency lighting for the entire inflation process.
11. The air pump can be equipped with the following 3 types of conversion inflation nozzles (as shown below). When inflating products that are not American-style nozzles, please choose the appropriate conversion nozzle.





Wired Model Use Methods

(1) When the power bank is not purchased or the power bank is low, the additional purchased car cigarette lighter line can be directly used to power the air pump.

(2) Insert the plug into the onboard cigarette lighter interface, and then plug the other end of the DC connector into the DC socket interface on the left side of the air pump body to power on.



Cigarette Lighter Wire

(Not configured, can be purchased separately)

Warning

1. After long-term use of this product, the shell parts, inflatable tubes and interfaces will be seriously hot, and the continuous working time cannot exceed 10 minutes. If you need to inflate for a long time, you need to suspend for 3-5 minutes every time it exceeds 10 minutes. After the temperature is reduced, you can start up and continue to work. Otherwise, many parts of the air pump will be damaged.
2. Please do not use your hand to touch the two ends of the gas tube, so as not to burn the skin. It is recommended to stop the machine for 2-4 minutes before taking it.

Attention

(1)Please keep the heat dissipation holes open, so as to speed up the heat dissipation of the whole body.
(2)When using, please open flammable and explosive materials in the shell parts.
(3)Do not allow children to use this product, and keep it out of reach of children. Do not let children near the product at work when using it.
(4)Keep away from flammable and explosive materials during use.
(5)Do not soak this product in rain or water.
(6)Do not use solvents or polishing agents when cleaning the surface.

4

Car Washer



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Product Introduction

Wireless car washer is a convenient and bulk cleaning equipment with small volume and large water pressure. Although it is small in size, it can have great water pressure thanks to the excellent water pump structure design of engineers. The car washer is equipped with 0-degree and 40-degree water nozzles to meet different cleaning needs. Its convenience also lies in the convenience of taking water, connecting special water pipes, and taking water through buckets, mineral water bottles, tap water and other ways.

In addition to daily car washing, it can also meet various cleaning requirements in life, such as cleaning balconies and roads through high water pressure, or watering gardens and vegetable fields, etc.

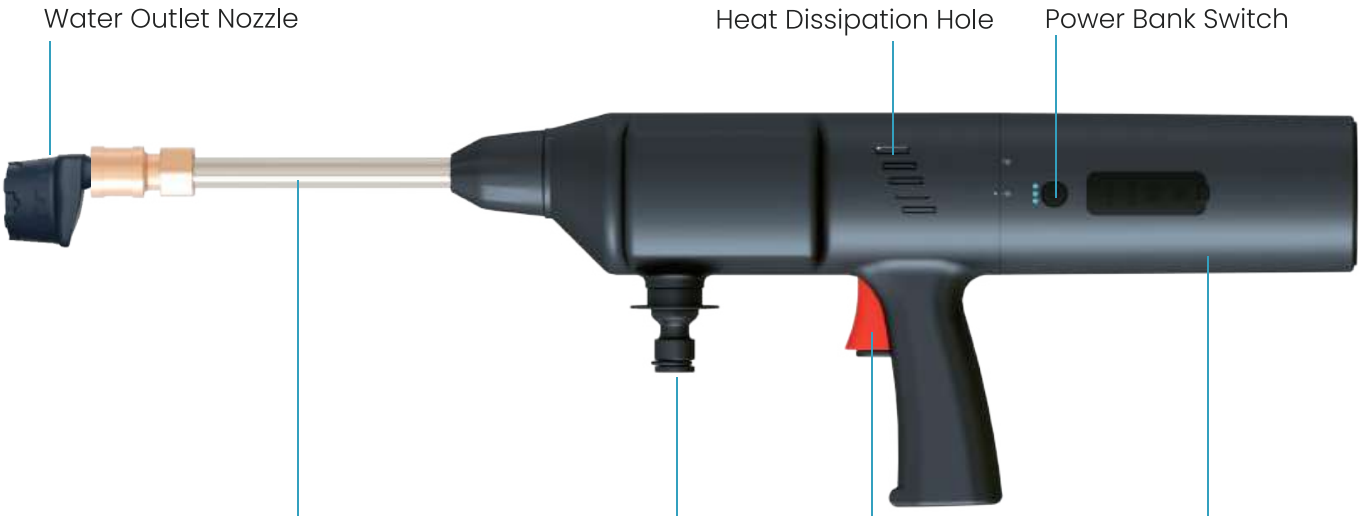
Some models of Power Bank are also equipped with USB output, wireless charging of mobile phones and other very practical functions in life.

Product Parameter

Parameters may change with product upgrade, please understand.

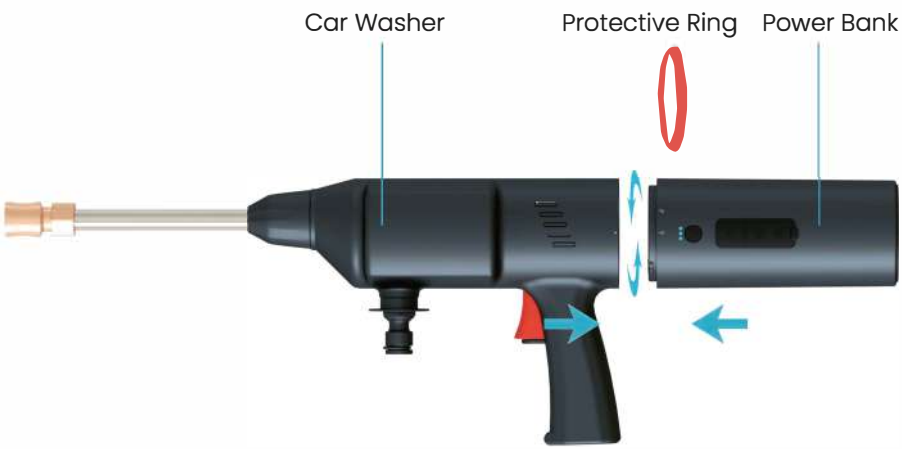
Model	BY-XCJ01	Motor	All Copper Motor	Power Supply	Power Bank/Cigarette Lighter
Current	About 200-240L/H	Water Type	6 Water Shapes	Water Pump	High Pressure Plunger Pump
DC	DC-5525-12V	Contact	12V	Voltage	12V
Pressure	200Psi	Distance	6-8m	Motor Power	120W
Material ABS + Aluminum + Stainless Steel + Copper					
Sizes Approximately 509mm*160mm*87mm					
Weight: 773g					
Battery Life: NLB-C (35min)					

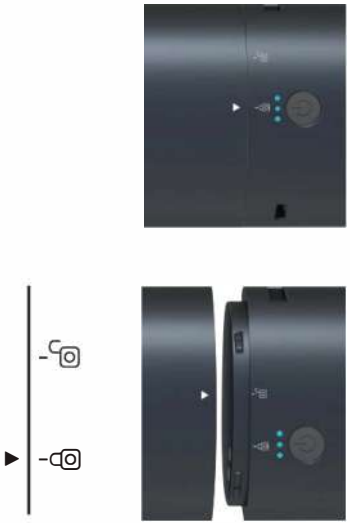
Product Description



Wireless Model Use Methods

1. Remove the protective ring of the mobile power supply, align the unlock mark of the power bank with the small triangle mark on the installation interface of the car washing machine and connect it, then rotate power bank to the right to align the lock mark of power bank with the triangle mark of the car washing machine, indicating that the installation is complete.





2. Rotate the extension rod to connect it to the water outlet of the car washer, and connect the water pipe interface to the water inlet of the car washer.
3. Put the other end of the water pipe with a filter into a bucket full of water, or directly into a river or stream with a slow and relatively clean water flow.



4. Press the 01 power switch on the power bank, and then press the 02 red switch next to the car washing machine handle, and the water outlet pipe will discharge high-pressure water.
5. Different sets of car washing machines will be equipped with different nozzles, which may be red and white nozzles, or multi-functional nozzles. When replacing the nozzle, please slide the copper interface on the extension tube backwards to remove the original nozzle for replacement.





Multi-function nozzle

Wired Model Use Methods

1. When you do not purchase a power bank or the power bank is out of power, you can directly use the optional car cigarette lighter cable to directly power the car washing machine.
2. Insert the car cigarette lighter head of the cable into the car cigarette lighter interface, and the DC interface at the other end into the DC socket interface at the tail of the car washing machine handle to power on.



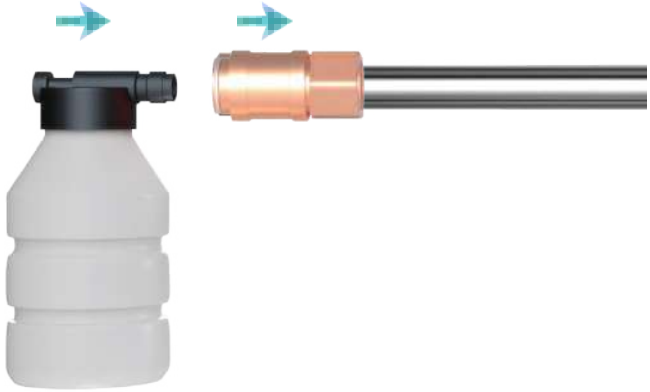
How to Use Foam Watering Can

(1) Pour the car wash liquid or car wash powder into a spray bottle, add an appropriate amount of clean water and shake to dissolve it, then connect it to the car wash machine for use as shown in Figure.



1

(2) Slide the copper piece at the end of the extension tube backwards, remove the nozzle, and replace the foam spray bottle.

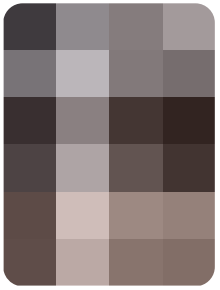


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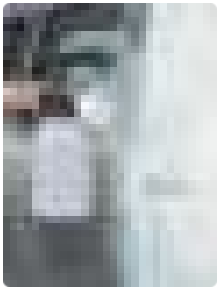
Suggested Car Washing Method (For Reference Only)



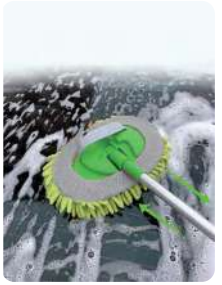
1. Clean the floating sand on the surface of the car paint with the high-pressure water from the car washer and wet the car body.



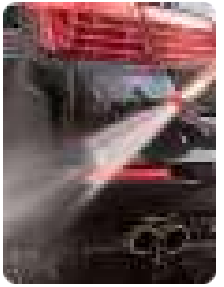
2. Pour car wash powder or car wash liquid into the foam watering can, add clear water in proportion and shake well.



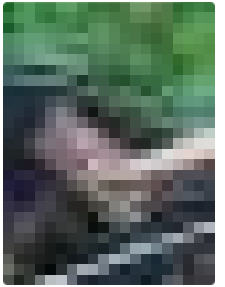
3. Connect the foam watering can to the interface on the extension tube of the car washer, and spray foam on the whole car body.



4. Wipe the car body with sponges, soft brushes, car wash mops and other tools.



5. Rinse the car body with the car washer.



6. Dry the water marks on the car body with a towel.

Car Washer Safety Warning



Please read the following warnings and instructions carefully. Failure to comply with the warnings may lead to damage to people and/or the product.

1. It is not allowed to shoot high-pressure water at others or various parts of human body.
2. It is not allowed to inject water into device containing electrical components.
3. To ensure product safety, please use the accessories provided or approved by Polaris
4. Disconnect the power bank after use and before user maintenance or cleaning.
5. Keep the car washer out of reach of children when powered.
6. When the car washer accidentally falls to the ground, it should be stopped when there is visible damage or leakage on it.
7. When connecting the Power bank, the car washer should not be left unattended.

Attention

(1) Before storage, please completely drain the water in the machine and water tube.

(2) Please wipe the body with a soft brush or clean cloth.

(3) Do not use water, solvent or polishing agent.

(4) Please keep the machine in a safe and dry place and avoid children's contact.

(5) Do not place other items on the machine.

(6) When storing machines and accessories, please pay attention to frost prevention.