12V-24V
dual boot power supply

instruction manual



12V-24V Lithium Battery for General Motors and Diesel Vehicles Emergency Start

instruction manual

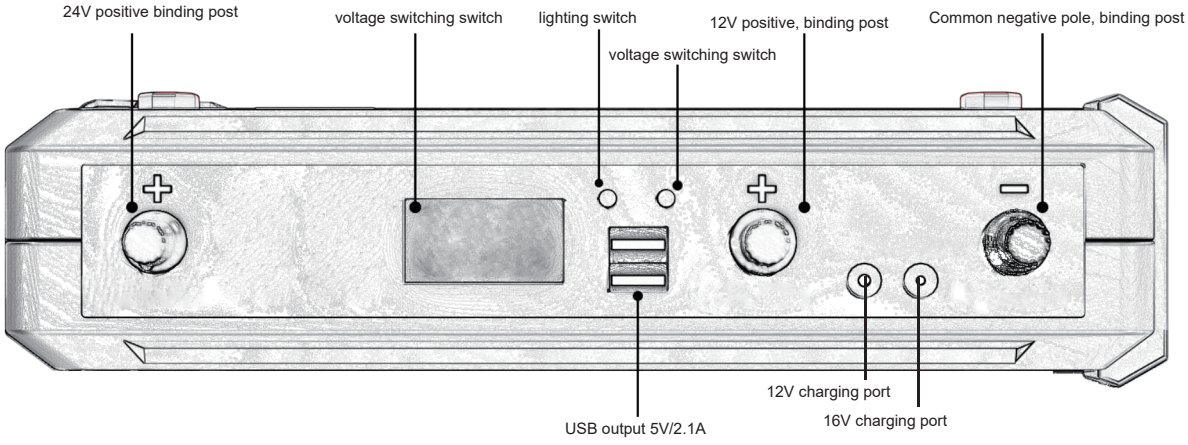
12V-24V General Motors and Diesel emergency starting lithium batteries use high-rate polymer lithium-ion batteries; the power battery has small internal resistance, large capacity, small size, light weight, no memory effect, long cycle life, and environmental protection No pollution; using high-magnification nanotechnology, it can provide strong current support for starting 12V, 24V gasoline and diesel vehicles. It starts up in seconds, and is currently the most powerful power supply with start-up capability

1. Safety performance

The power supply is always safe! The main materials and manufacturing process of the emergency start-up power supply adopt the production standard of new energy automobile batteries; the positive and negative diaphragms are made of hi gh-temperature-resistant nano-materials, which will not shrink or deform at 300°C; the electrolyte is made of flame-retardant technical materials; Thermal failure under abuse. When severely damaged by external force impact, heavy pressure, puncture, short circuit, high-voltage charging, high temperature, etc., the lithium polymer battery will never explode; but if the battery core is seriously damaged it will explode. Lots of smoke or risk of fire. Consumers must pay attention when using it.

2. How to use the product

Schematic diagram of the shell



Special attention: please control the start time of a single ignition within 3-5 seconds; if the ignition cannot be started successfully, please wait for more than 30 seconds before starting the next ignition to prevent the battery from overheating and damage: in severe cases Fire risk. Before use,please make sure that the 12V voltage and 24V voltage can be lower than 15V and 26V respectively. If the cell voltage is too low, it has been detected that the power supply cannot be charged due to over-discharge or the 0V voltage is not guaranteed!

1. Battery charging

1.1 Lithium batteries sold by our company must be used in conjunction with our chargers. The 16V and 12V lithium battery chargers delivered are inserted into the 12V and 16V input ports respectively when charging; After fully charged, the green light is displayed. When both chargers display green lights, it means that the battery pack is fully charged . At this time, press the voltage display switch. The voltage of the first gear is above 16V; **(12V voltage can be charged to more than 16V with 16 chargers: 24V voltage must have two charging stations12V+16V at the same timeIt can be charged to more than 29V when charging).**

1.2 This power supply has an overcharging protection function, and it will automatically disconnect the charging after it is fully charged, so you can rest assured to charge it. In addition, lithium batteries have no memory effect and can be charged as they are used, and can be charged without fully discharging.

1.3 It is strictly forbidden to use lead-acid battery chargers or other types of chargers for charging;

1.4 It is strictly forbidden to charge directly at the terminal of the lithium battery. Direct charging at the terminal will cause the battery pack to be overcharged and even cause a fire hazard!

Special reminder: Lithium batteries are 9 types of dangerous goods according to domestic regulations. Do not charge at night, do not charge next to combustible objects, and try to charge within the visible range; if the lithium battery core is damaged, charging will cause the lithium battery core to heat up. , after touching the lithium battery, there is a hot relay charging You can contact after-sales testing and maintenance. The overheating of Zhou battery will lead to fire risk. Once the lithium battery is found to be smoking, immediately

put it in water or pour water to cool it down, so as to avoid fire caused by excessive temperature. The company only guarantees the battery itself. If the customer does not pay attention to the safety and lacks the risk awareness of lithium battery use, the company will not be responsible for the fire or other losses caused by the use of lithium batteries!

2. How to start the power supply

2.1 How to start 12V gasoline and diesel vehicles: Connect the middle red 12V positive terminal and the black public negative terminal to the 12V vehicle; the screw must be tightly pressed and locked firmly; use the starter clip to connect to the positive and negative poles of the vehicle battery pack respectively , the clip must be firmly clamped! Wrong connection or reverse connection is strictly prohibited!

2.2 How to start 24V gasoline and diesel vehicles: Start the red 24V positive terminal and the black common negative terminal on the left side of the connection panel of the 24V vehicle: the screws must be pressed tightly to lock the vehicle. , On the negative pole, the clip must be firmly clamped! Wrong connection or reverse connection is strictly prohibited!

2.3 When mining above, it is strictly forbidden to touch the positive and negative starting clips together to cause a short circuit!

2.4 Before starting, it is necessary to confirm whether the voltage is above 15V or above 26V, and it needs to be charged when the voltage reaches 25V.

2.5 The terminal is only used for starting the vehicle, and it is strictly forbidden to connect it to other devices: otherwise it will cause the battery to be over-discharged. If the battery pack cannot be charged due to over discharge or the battery cell with OV voltage is scrapped, the warranty will not be granted!

2.6 The product does not have a mains switch, and the terminals are always powered: therefore, short-circuits caused by contact with external conductors between the positive and negative poles are strictly prohibited. If the external short-circuit causes damage to the power supply, the warranty will not apply!

2.7 It is strictly forbidden to start a single ignition for more than 5 seconds, and it is strictly forbidden to twist the vehicle start key;Continuously turning the key to start will cause the starter clip to overheat and burn out, or the lithium battery cell will be overheated and damaged, or there is a risk of fire. The interval between each ignition start must be more than 30 seconds!

2.8 If the original vehicle battery is seriously depleted, please disassemble any one of the positive and negative poles of the battery and start it directly with the lithium battery power supply to prevent the power supply from charging the original battery and reduce the ignition and starting effect.

3. Battery storage and recharging

Due to the self-discharge of the battery during storage and transportation, the battery will be lost. Therefore, please charge the battery according to the method 1.1 above before use. When not in use for a long time, turn off the voltmeter switch and disconnect all loads for storage; and charge the battery until the 12V voltage indicates 15.5V or more, and the 24V voltmeter shows 27V or more for storage. Please recharge once every 1-2 months

4. Battery maintenance and precautions

● This type of lithium battery is only used for starting, and the wiring does not pass through the protection board; it is strictly forbidden to use it with other equipment, so as not to cause over discharge of the electro-hydraulic and cause irreversible damage to the battery. The voltage of the 24V starting terminal is not lower than 23V; the voltage of the 12V starting terminal is not lower than 13V!

● If it fails to start after 3-5 seconds each time, the interval between re-ignition and start must be more than 30 seconds! When you find smoke, please take it off immediately to cool down with the nearest water or throw it directly into the water

● It is strictly forbidden to keep the battery close to high temperature heat source!

● It is strictly forbidden to charge with a lead-acid charger! The original charger must be used for charging! If the temperature of the power supply is too high or hot during charging, please suspend charging immediately to prevent the risk of overheating and fire! And contact customer service!

● It is strictly forbidden to reverse the positive and negative polarity of the terminal, and wrongly connect it!

● It is strictly forbidden to place the battery in a place with high temperature and humidity!

● It is strictly forbidden to disassemble or modify the battery at will!

● It is strictly forbidden to apply external force or heavy impact to the battery or drop it from a high place!After starting, remove the positive and negative clips respectively, and

● it is strictly forbidden to touch and cause a short circuit!

● Please keep it out of the reach of children!

● This product is not waterproof, it is strictly forbidden to put it in water!

5. Quality Assurance

★ After the battery leaves the factory, its technical performance and indicators have complied with the relevant standards of the emergency start-up power industry.

★ If damage is found after unpacking, find out and contact the dealer or manufacturer in time.

★ The company's products implement the "Three Guarantees" regulations of the People's Republic of China. Consumers are asked to use and operate according to the instructions after purchasing the company's products; after testing the problems caused by product quality, and within the scope of the warranty period, they can be renewed with the relevant sales bills or repair!

★ Warranty period: 12 months from the date of sale: Man-made damage or damage caused by failure to use according to the instructions is not covered by the warranty period!

The following conditions are not sub-warranty:

◆ Damage caused by force majeure

◆ Failure to follow the instructions forcibly igniting for a long time will automatically cause the battery core to bulge or catch fire;

◆ The terminals are not directly connected to other devices according to the instructions for use, resulting in failure to charge or OV voltage;

◆ beyond the warranty period;

◆ The product is squeezed, dropped, dropped into water, disassembled or modified by itself, improper storage environment, etc. caused by human factors

It is forbidden to start the power supply for charging indoors and in unattended places

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