

12V电池组

用户手册

感谢您使用本产品,使用前请认真阅读本手册!

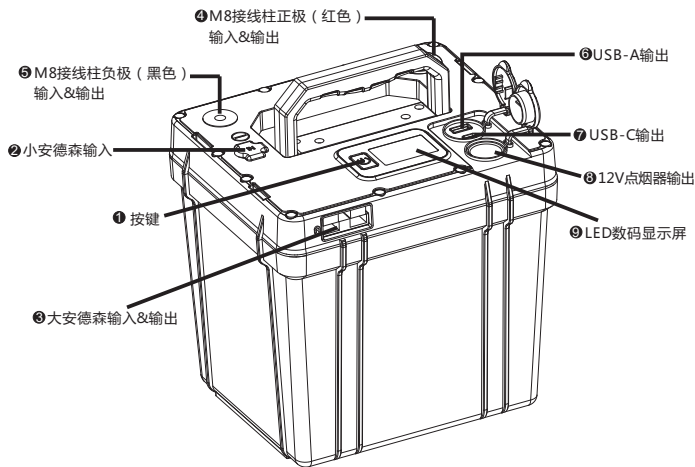
规格参数

名称：12V电池组
容量：12.8V / 60AH/768Wh
小安德森输入：12-24V/4.2A (支持18V太阳能板充电)
大安德森输入：14.6V/30A
M8接线柱输入：14.6V/30A
大安德森输出：12V/60A
M8接线柱输出：12V/60A
USB-C输出：5V/3A 9V/3A 12V/2.5A (MAX:30W)
USB-A输出：5V/3A 9V/2A 12V/1.5A (MAX:18W)
点烟器输出：12V/10A
尺寸：210*176.5*210mm
重量：7.35kg

包装清单

电源 x1 说明书 x1 MC4转小安德森线x1 充电器 x1(选配)

示意图



给电源充电

充电方式一：

- 1.使用带小安德森接口③的充电器或太阳能板给电源充电。
- 2.建议充电器的功率80W(20V-4A)以上为最佳,建议太阳能板的功率90W(18V-5A)以上为最佳。
- 3.采用80W的充电器充满本产品需要在9小时左右,太阳能板充电与太阳能板的功率、太阳光强弱、等因素有关。本产品支撑MPPT充电功能最大功率80W。
- 4.注意接口红色表示正极、黑色表示负极,正负极不能插反。

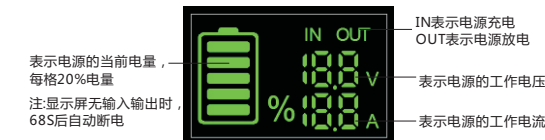
充电方式二：

- 1.使用带大安德森接口⑤的充电器给电源充电。
- 2.建议使用的功率146W (14.6V-10A)以上磷酸铁锂电池给电源充电，充电器的电流越大充电时间越快，最大电流不能超过30A。
- 3.采用146W的充电器充满本产品需要在6小时左右。

充电方式三：

- 1.使用M8接线柱⑧⑨带接线端子/夹子的充电器给电源充电。
- 2.建议使用的功率146W (14.6V-10A)以上磷酸铁锂电池给电源充电，充电器的电流越大充电时间越快，最大电流不能超过30A。
- 3.采用146W的充电器充满本产品需要在6小时左右。
- 4.注意接口M8接线柱红色表示正极、黑色表示负极。接反可能损坏充电器。

LED数码显示屏



给数码设备供电

- 1.打开盖子USB OUT 选择USB-A⑥或USB-C⑦给手机、平板等数码设备充电。
- 2.USB-A⑥和USB-C⑦两个接口同时接负载时输出电压为5V普通充电，单独使用任何一个接口都支持快充。
- 3.单击电源可给手机、平板开始充电。USB-A⑥和USB-C⑦自动识别充电。

给12V点烟器设备供电

- 1.主要支持的设备：车载冰箱、充气泵、摄狐灯、车载逆变器等等低于120W的电动设备。
- 2.将设备插入电源上的12V点烟器接口⑧。
- 3.电源会自动连接设备充电，如不能也可以单击按键给设备充电。
- 4.如果显示屏出现报警警示，表示点烟器口处于保护模式。等报警警示消失后，可以再次将设备插入以激活电源。

给大功率设备供电

- 1.主要支持的设备：500W内12V DC逆变器以及其他12V的大功率电动设备。
- 2.采用的接口：大安德森⑤或M8的接线柱⑧⑨连接。
- 3.连接时注意设备的正负极不能和M8正负极接反,否则会损坏设备。
- 4.连接时如出现电源瞬间保护，可以单击按键④再此打开电源输出。

使用说明

- 1.单击电源按键④打开输出。
- 2.数码显示屏⑨, IN表示充电, OUT表示放电。
- 3.小安德森接口 (DC IN) 支持100W太阳能板充电，并具有反接保护功能。
- 4.小安德森接口 (DC IN) 输入电压低于11V或者高于28V，充电欠压和过压保护。
- 5.安德森⑤⑥/接线柱接口⑧⑨红色表示电源正极，黑色表示电源负极。
- 6.USB-A⑥和USB-C⑦采用同一路降压3C，这两个接口同时接负载时输出电压为5V普通充电，单独使用任何一个接口都支持快充。
- 7.大安德森接口⑤和M8接线柱⑧⑨为同一路。
- 8.所有的接口同时输出时，功率比较大，不建议满负载长时间工作，满载温度高请勿手碰。
- 9.本产品支持边充边放功能。
- 10.本产品IP65等级防水。

使用安全

- 1.不能将电源放置在高温环境或投入火中焚烧。
- 2.不能把电源放到液体物质，防止电源出现短路。
- 2.不要用硬物、利器，敲打或穿刺电源。
- 3.不要试图拆解和破坏电源结构等不正当的操作。
- 4.用指定的充电器或经过认可的充电器充电。
- 5.如果发现电源产生各种异常，如异味，外壳变形，请勿购买或立即停止使用。

注意

- 1.请按说明书指导使用，勿让幼儿童触摸或玩耍电源。
- 2.电源在使用中出现异常，如发热，发鼓，有异味、漏液，变形，请到销售商处调换或联系我司。
- 3.电源长期不使用时，请充满电后在常温0℃-40℃储存，每半年充电一次。



12V battery pack

USERS' MANUAL

Thanks for choosing our product.Please read the manual carefully before use.

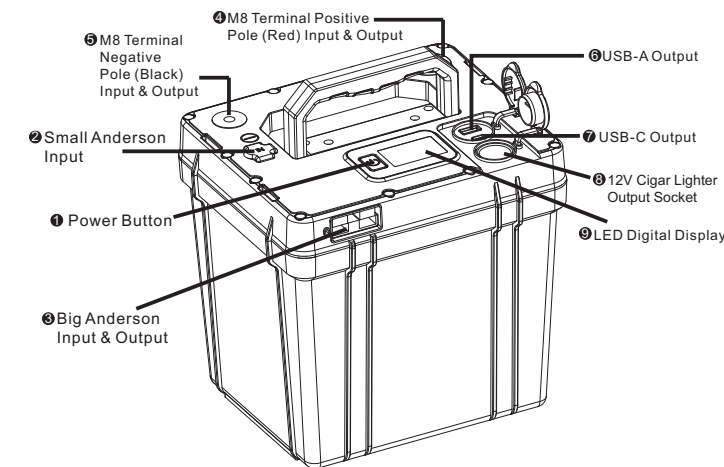
Technical Specifications

Name: 12V battery pack
Capacity: 12.8V/60AH/768Wh
INPUT:
Small Anderson Input: 12-24V/4.2A (Support solar panel charge)
Big Anderson Input: 14.6V/30A
M8 Terminal Input: 14.6V/30A
OUTPUT:
Big Anderson Output : 12V/60A
M8 Terminal Output : 12V/60A
USB-C Output: 5V/3A 9V/3A 12V/2.5A (Max:30W)
USB-A Output: 5V/3A 9V/2A 12V/1.5A (Max:18W)
Cigar Lighter Socket Output: 12V/10A
Measure:210*176.5*210mm
N.W.: 7.35kg

Package Contents

1 x Power Pack 1 x MC4-Small Anderson plug cable
1 x Manual 1 x Adapter (Option)

Identification of parts



Recharge Power Bank

Method One:

1. Use adapter/solar panel with small Anderson port ③
2. Charger power recommended: above 80W(20V-4A) Solar panel power recommended: above 90W(18V-5A).
3. Recharging time: It will takes about 9 hours to fully charge the battery pack with 80W adapter. Solar panel charging time will vary from the power of solar panel and light intensity. It will support MTTP up to 80W recharging.
4. Note: the M8 terminal, the red is Positive Pole, the black is Negative Pole, they can't be reversed.

Method Two:

1. Use adapter with big Anderson port ⑤
2. Lithium iron phosphate charger recommended: above 146W(14.6V-10A). Fully charge time will be faster when the current is higher. The max current is 30A.
3. Recharging time: It will takes about 6 hours to fully charge the battery pack with 146W adapter.

Method Three:

1. Use adapter with M8 Terminal clamp ⑧⑨
2. Lithium iron phosphate charger recommended: above 146W(14.6V-10A). Fully charge time will be faster when the current is higher. The max current is 30A.
3. Recharging time: It will takes about 6 hours to fully charge the battery pack with 146W adapter.
4. M8 terminal: the red is Positive Pole, the black is Negative Pole. Revers will damage the battery pack.

LED Digital Display



Charge your digital devices

1. USB OUT: USB-A⑥and USB-C⑦ are for mobile phones, tablet and other digital devices.
2. USB-A⑥and USB-C⑦ loading at the same time, the output voltage is 5V for normal charging. Use a single interface can support fast charging.
3. Click the power button can start charge for mobile phone and laptop. USB-A⑥and USB-C⑦ can automatic identification charging.

12V Cigar lighter socket output

1. 12V devices Supported: Car refrigerator/inflator pump, UAC battery/outdoor tent light/ Camp light/fishing light/hunting light/fan and other devices under 120W.
2. Plug the devices into 12V cigar lighter socket ⑧.
3. The Socket will automatically power the connected device. If not, click the power button④ to charge the devices.
4. If the display displays an alarm warning, it indicates that the 12V Cigar lighter port is in protection mode. After the alarm disappears, the device can be plugged in again to activate the power bank.

Charge high-power devices

1. High-power devices : 12V inverter and other 12V high-power electrical devices.
2. Output interface : Big Anderson⑤ or M8 terminal⑧⑨.
3. Note that the positive and negative poles of devices shouldnot be connected inversely with M8 terminal. Otherwise, the devices will be damaged.
4. If the power pack is protected instantaneously during connection, click the power button④to turn on the power output again.

Usage Notes

1. Click the power button④to turn on the power pack output
2. LED display⑨, IN means power pack is charging, OUT means discharging.
3. Small Anderson interface(DC IN)supports 100W solar panel charging, And has the protection function of reverse connection.
4. If Small Anderson interface(DC IN)input voltage is less than 11V or higher than 28V, this condition will lead to charging undervoltage or overvoltage protection
5. Anderson⑤⑥/M8 terminal⑧⑨interfaces : Red indicates positive pole, black indicates negative pole.
6. USB-A⑥and USB-C⑦ share the same Integrated Circuit. When both interfaces are loaded at the same time, the output voltage will be 5V. Individually use of ⑥or⑦interface will turn to fast charging.
7. Big Anderson⑤/M8 terminal⑧⑨interfaces share the same circuit.
8. When all interfaces discharge at the same time, the power will be high. And it is not recommended to use at full load for a long time. Full loading leads to high temperature, please do not touch.
9. Support Pass-Through Function.
10. IP65 Waterproof Level.

Use safety

1. Do not place the product in a high temperature environment or put it into fire for burning.
2. Do not put the product into liquid substances, or the power supply will be short-circuited.
3. Do not use hard objects or sharp tools to knock or puncture this product.
4. Do not attempt to disassemble and destroy the product structure or other improper operations.
5. Use the specified charger or approved charger to charge.
6. If any abnormality is found in the product, such as peculiar smell or shell deformation, do not purchase or immediately stop using.

Notes

1. Please use according to the instructions. Do not let children touch or play with the product.
2. If the product is abnormal in use, such as hot, bloated, smelly, leaking or deformed. Please exchange at the supplier or contact us.
3. When the product is not used for a long time, please store it at normal temperature 0-40 °C after fully charged, and charge it every six months.

