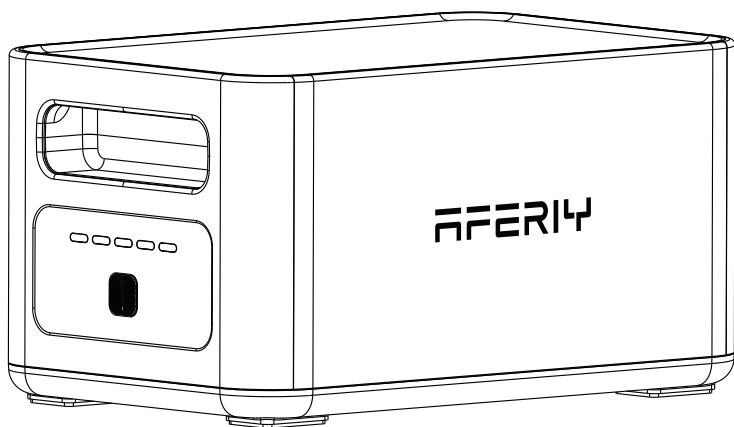


AFERIV

Smart Battery Pack

AF-P180-B | User Manual

1024Wh



Dear user, Thank you very much for purchasing and experiencing our Smart Battery Pack. This product must be used with AF-P180PRO. Before operating this product, please read the user manual carefully to ensure correct operation.

According to international customs transportation requirements for battery products, the battery level of this product is only below 30% when leaving the factory. After unboxing, please fully charge the product to begin your AF-P180-B experience journey.

Precautions For Use

1. Please avoid long-term storage and use of this product in environments with high temperature and humidity or direct sunlight to avoid shortened battery life and other failures. The product should not be close to the fire source, otherwise it may cause a major fire or accident.
2. This product must not be disassembled or modified. Improper operation may cause product malfunction or even fire.
3. Be careful not to drop or drop the product from a high place, so as not to damage the product.
4. Please store or use this product out of the reach of children, otherwise the product may be dropped or collided and may cause bodily injury to children.
5. Please use our original accessories, and AFERIY will not guarantee the defective products caused by the use of non-original accessories.
6. Please charge this smart power pack using the parallel cable connected to the portable power station. Do not use privately modified cables or extension cords.
7. When the product is not in use or idle, please turn it off and unplug the power cable. If it needs to be idle for a long time, please consume the product from a fully charged state to an uncharged state, then recharge it to about 50% of the battery level and store it. In order to prolong the life of the product, please take three months as a cycle, operate and keep it in this way.
8. If the product reaches scrap conditions, please discard or recycle the product in accordance with local laws.

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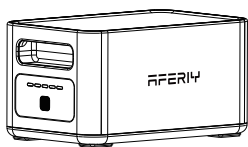
Specifications

Product Name	Smart Battery Pack
Dimension	L*W*H=346*220*183mm
Weight	8.7kg
Capacity	1024Wh
Shutdown Current	< 500μA
Working Temperature	-10~40℃
Environment Humidity	≤90%RH
Cycle Times	> 4000 time

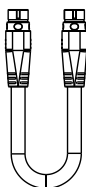
Battery Specifications

Cell type	40135 LiFePO4
Rated voltage of single battery	3.2V
Rated capacity of single battery	20Ah
Rated voltage of battery pack	51.2V
Output voltage range of the battery pack	43.2-57.6V
Rated capacity of battery pack	1024Wh

Packing list



Smart Battery Pack



Parallel Cable
(Power Connection Cable)



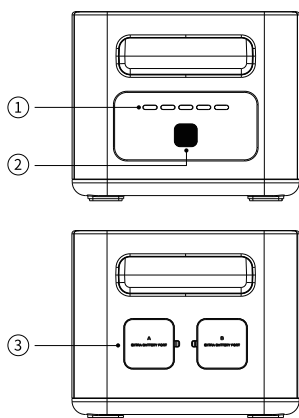
User Manual

Product Introduction

This product is a portable power pack with charging and discharging functions. Mainly used for parallel expansion of 1800W portable power station.

- Equipped with LiFePO₄ battery, the battery capacity is up to 1024Wh with extremely high safety level.
- Can be connected in parallel with 1800W portable power station to increase capacity by 1024Wh.

Button Function Introduction



- ① Power Level Indicator
- ② Power Switch
- ③ Battery Pack Interface

❶ Power Level Indicator

The product's power status indicator contains 5 bars, each representing 20% power level. When power drops to 0%, only the leftmost indicator light turns off. When all indicators flash together, the product has entered high-temperature protection status.

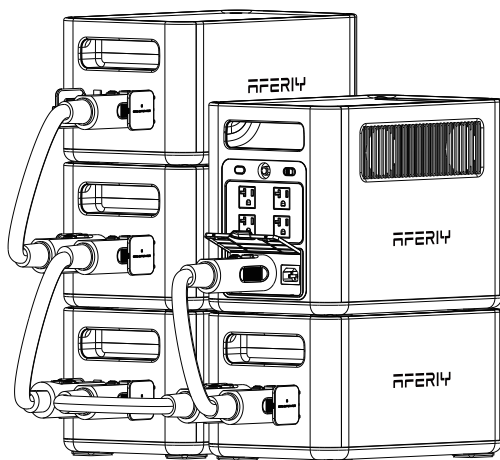
❷ Power Switch

Operation Instruction: Press and hold the power button for 3 seconds to turn on/off the entire system.

❸ Battery Pack Interface

By connecting the parallel cable to the main unit, capacity expansion is achieved. The parallel connection diagram is attached below.

Description of battery pack connection



The portable power station can be connected to up to four extra battery packs via parallel cables, with a maximum total capacity of 5120 Wh. Please make the connection when both the portable power station and the extra battery packs are turned off.

After the connection is completed, an icon will appear on the screen showing the number of connected extra battery packs. Once connected successfully, the system can start charging or discharging.

During the charging and discharging process after connection, power will be distributed based on the remaining power of each device (portable power station and battery packs): During charging, devices with lower remaining power will have higher charging power; during discharging, devices with higher remaining power will have higher discharge power. If there is no external charging input, energy exchange may occur between the portable power station and the battery packs.

When the remaining power of all devices is close, the energy exchange process will stop.

Precautions

1. Please do not plug and unplug the connecting cable when the product is under use. Please note that Extra Battery Port A of the battery pack can only be connected to the Extra Battery Port of the power station or Extra Battery Port B of the upper-level battery pack.
2. Please do not make the parallel connection ports short-circuited.

Noted that:

The stacking method shown on this page is for reference only. Given that excessively high vertical stacking may easily lead to product falling risks, it is recommended to prioritize placing the product against the wall and adopt the combined stacking method of "horizontal stacking + vertical stacking" during operation.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Warranty Card

Warranty Card	
Model	
Name	
Address	
Tel	
Mail	
Name of the store	
Buying date	
What is the product failure	
Please fill in all the above items.	

This product provides a 24-month warranty service from the date of purchase

- If there is a quality problem within the range of normal use, we provide warranty service.
- After purchasing our company's products, please keep this product together with invoices and other items. When maintenance services are needed, please provide information according to our company's request.
- In the case where the warranty is damaged or altered, and no stamp of the sales store on the warranty, the warranty service may not be provided.
- Damage caused by use beyond the normal range of use is not covered by the warranty service.
- The content of the warranty scope shall be subject to the content recognized by the company.
- Even within the scope of the warranty, sometimes it will be exchanged for products with the same function. The shipping and repair fees for products outside the warranty range shall be paid by the customer.
- Sometimes the specifications and functions of the product will be updated without prior notice.

Disclaimer

Before use, please read the user manual of this product to ensure full understanding and correct use. After reading, keep the user manual properly for future reference. If you do not operate this product correctly, you could cause serious injury to yourself or others, or result in damage to the product and property. Once you use this product, you are deemed to have understood, recognized and accepted all terms and content of this document. Users undertake to be responsible for their own actions and all consequences arising therefrom. AFERIY is not responsible for all losses caused by the user's failure to use the product in accordance with the User Manual.

In compliance with the law, the company has the final right to interpret this document and all related documents of the product. If it is updated, revised or terminated without prior notice, please visit the AFERIY official website for the latest product information.

If you have any questions, please feel free to contact us.

Email address: support@afery.com.

Sincerely.