



MB4100

512Wh Portable Power Station



INSTRUCTION MANUAL

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WARNINGS & SAFETY INFORMATION

WARNING: The manufacturer is not responsible for any potential injury from misuse

Improper use of this product may cause serious injury to yourself or others, or cause product damage and property loss.

This document is subject to changes updates, revisions, or termination without prior notice. Please visit the official website to obtain the latest product information.

The manufacturer is not responsible for any damage caused by force majeure (e.g. fire, typhoon, flood, earthquake or negligence, abuse or use under other abnormal circumstances by the customer).

No compensation for losses caused by the use of non-standard connectors.

The Company is not responsible for any damage caused by not following the instructions in the operating instructions.

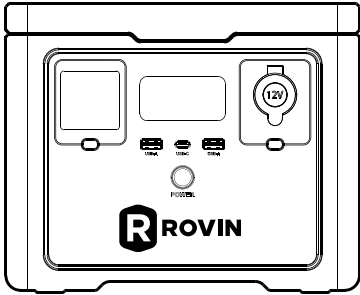
BEFORE FIRST USE

Prior to using your product, please read all the safety and operating instructions thoroughly. Please ensure you follow the steps below before using the product. We recommend you keep the original packaging for storing the product when not in use.

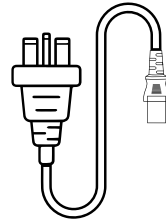
Please pay close attention to the section entitled Warnings & Safety Information. Find a safe and convenient place to keep this instruction manual for future reference.

Unpack the product but keep all packaging materials until you have made sure your new product is undamaged and in good working order. Ensure you have all accessories listed in this manual.

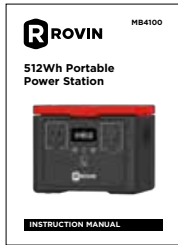
BOX CONTENTS



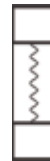
Power Station



AC Charging Cable

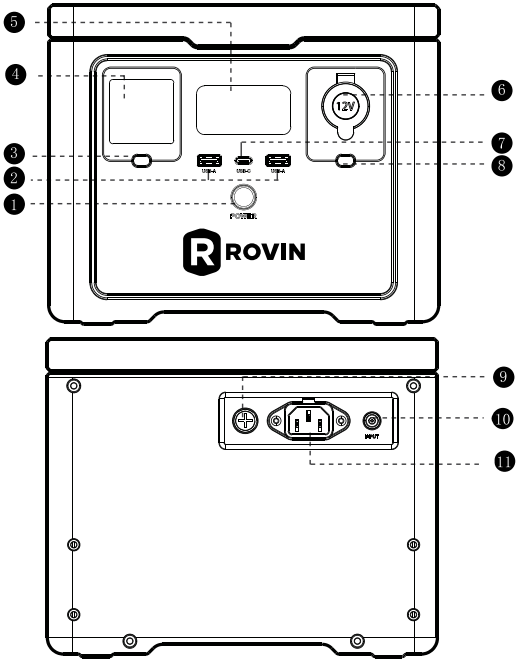


Manual

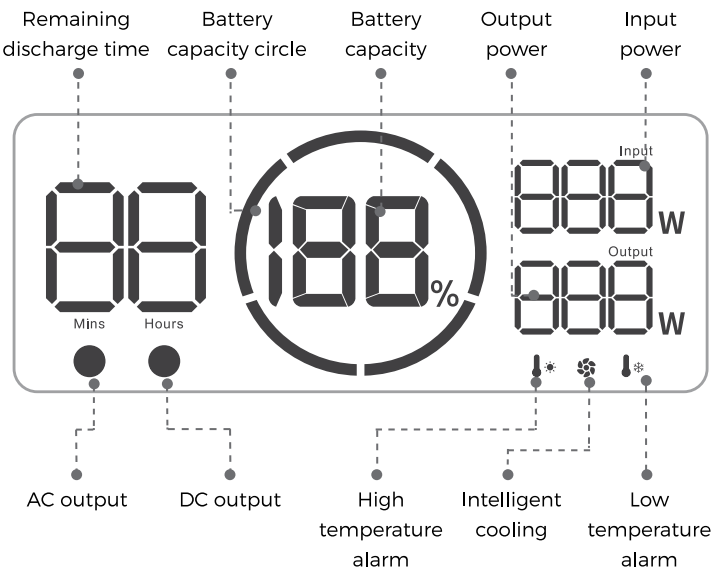


Fuse

PRODUCT DIAGRAM



1. Main Power Switch
2. USB-A Outputs
3. 240VAC Output Power Switch
4. 240VAC Output
5. LCD Screen
6. 12VDC Output
7. USB-C Output
8. 12VDC Output Power Switch
9. 240VAC Fuse Holder
10. Solar Input
11. 240VAC Input



OPERATING INSTRUCTIONS

LCD battery capacity circle indicates battery level. The capacity circle is divided into five sections, accounting for approximately 20%-40%-60%-80%-100% of the capacity. When in use, the LCD display automatically wakes up. When discharging, the capacity segment disappears from the display, indicating remaining capacity.

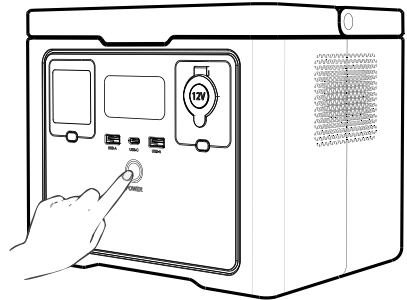
When charging, the battery capacity circle flashes clockwise along the trajectory, which indicates that the device is currently charging. The number on the right side of the energy circle now displays the real-time input power. After full charging, all capacity segments will be illuminated and remain stable. After charging is complete, unplug the charger.

NOTE: Press and hold for 3 seconds to turn on or off the main power.

When turning on the power, press and hold the power button. All icons will light up to check whether the screen is normal. When the screen shows ON, release your hand to indicate that the power is on. A circle of LED lights around the button will light up the breathing light.

Press and hold when turning off the product. Release your hand when the power button screen shows OFF, and the LCD display turns off.

When the main power button is turned on, lightly press the switch button of each functional area, and the corresponding function icons on the LCD screen will light up at the same time. At this time, the functions in this area can be used normally; tap the corresponding functional area button again, and the corresponding LCD screen icons will turn off. This area function stops working.



NOTE: After the power station is turned on, short press the main power button. The LCD screen will turn off but the product will not shut down.

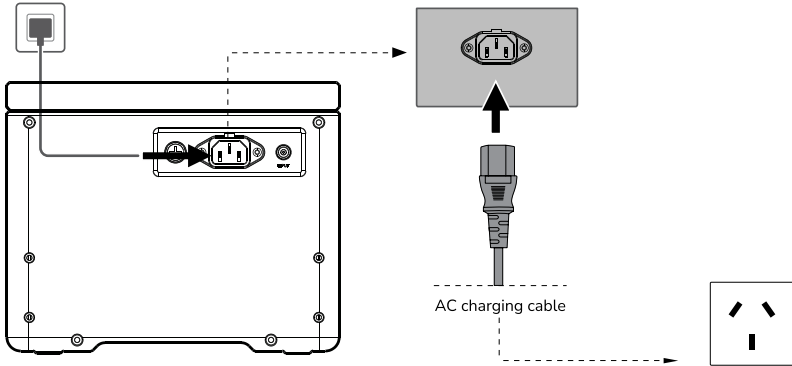
NOTE: If the power station is not operated within 5 minutes, the power station will enter sleep state and the LCD screen will automatically turn off. When it is operated, the LCD screen automatically lights up.

NOTE: The default standby time is 4 hours when there is no load. It will automatically shut down after 4 hours.

RECHARGE METHODS

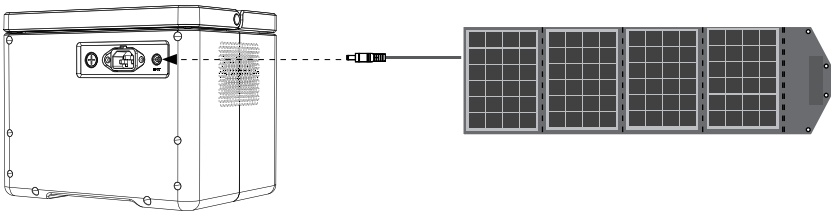
240VAC Charging

Use the included AC charging cable to charge the device and connect it as shown in the figure. At this time, the input power reading appears on the screen, and the device starts charging. It can support up to 300W fast charging and can fully charge the device in about 1.8 hours.



Solar Charging

Insert and connect a solar panel of up to 240W via the 7909 DC input. The energy bar on the screen confirming the power station has begun charging. To rotate confirming the power station has begun charging.



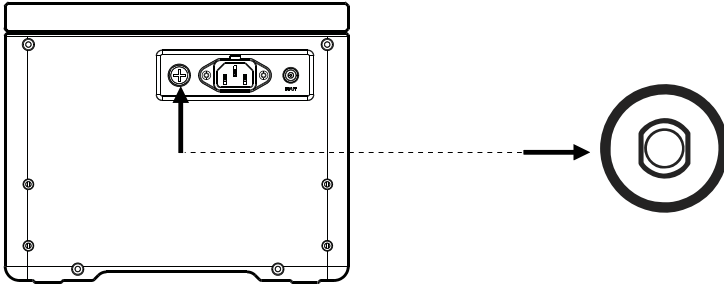
NOTE: The solar panel should be kept at a perpendicular angle to the sun's rays as much as possible to achieve the highest solar energy conversion efficiency.

NOTE: Before connecting the solar panel, please confirm that the output open circuit voltage specification of the solar panel is within 35V to avoid damage to the power station.

OTHER FUNCTIONS

AC Input Overload Protection

When the AC input current exceeds the maximum rated current, the AC input overload protector fuse blows to protect the device. After confirming that there is no fault with the power station, replace the fuse in the 240VAC fuse holder (see accessory bag) to resume charging.



1. What type of battery does the product use?

This product uses high-quality lithium iron phosphate batteries.

2. What equipment can be connected to the AC output port of the product?

The AC output port of this product has a rated power of 600W and a peak power of 1200W. It can power most household appliances. However, it is recommended that you confirm the power of the appliance before use and ensure that the sum of the power of all load devices is less than the rated power.

3. How to know how long the product can provide power?

The LCD screen of this product will display the battery life, and devices with stable power consumption can be estimated based on this time.

4. How to tell if the product is charging?

When charging, the LCD screen will display the remaining charging time, and the power indicator circle outside the battery power percentage will begin to rotate in a circular motion, and the input power will be displayed.

5. How to clean this product?

Please use a dry, soft, clean cloth or paper towel to wipe this product.

6. How to store the product?

When storing, please turn off this product first and then store it in a dry, ventilated place at room temperature. Do not place this product near water and fire sources. During long-term storage, it is recommended to charge and discharge the battery every three months to extend the service life of this product.











7. Can this product be brought on board a plane?


No.

8. Is the actual output capacity of the product consistent with the capacity specified in the user manual?

The capacity indicated in the user manual is the rated capacity of the battery pack of this product. Since this product has a certain efficiency loss during the charging and discharging process, the actual output capacity of the product is lower than the capacity specified in the user manual.

TROUBLESHOOTING

FAULT CODE	FAULT INFORMATION	STATUS	REMARKS
E00	AC output short circuit protection	 Flashing, no output	Press the AC output power on/off button for recovery
E01	Output overload protection	 Flashing, no output	The function icon indicates which path is overloaded. Overload protection requires manual recovery. The UPS function is overloaded at 600W for 1 second.
E02	AC Battery low voltage protection	The corresponding function icon flashes and the corresponding port has no output.	Battery capacity below 20%. load \leq 300W, restart the corresponding function button to restore the function and charge in time.
E03	AC output over-voltage and low voltage protection	 Flashing, no output	Need to manually press the AC switch to restore
E04	Abnormal AC input frequency	 Flashing, no output	Automatically recovers after frequency returns to normal
E05	High and low bus voltage, over-current	 Flashing, no output at all ports 	Need to manually press the AC switch to restore
E06	Inverter over-temperature	 Flashing, no output at all ports 	Automatically resumes after temperature returns to normal
E07	Inverter low temperature	 Flashing, no output at all ports	Automatically resumes after temperature returns to normal
E08	Cigarette lighter port overload	 Flashing, no output at all ports	Need to manually press the AC switch to restore

FAULT CODE	FAULT INFORMATION	STATUS	REMARKS
E09	System overload	The AC icon flashes, the AC function is turned off, DC output is normal, AC is greater than 600VA or AC+DC is greater than 600W	Need to manually press the AC power button to restore
E11	Hardware bias	E11 code flashing, no output at all ports	Manually turn off the main power and then restart
E12	Cigarette lighter port short circuit	 Flashing, no output at all ports	Need to manually press the DC power button to restore
	Charging over-temperature protection and charging low-temperature protection	No input, white energy circle rotates normally	Automatically resumes after temperature returns to normal
	Solar input over-voltage	No input	Solar charging voltage <35V. automatically resumes after voltage returns to normal

MAINTENANCE

1. Please store the product away from water sources, heat sources, and metal objects.
2. In order to extend the service life of the battery, it is recommended to use or store this product in an environment of 20°C to 30°C.
3. If long-term storage is required, please charge and discharge this product once every 3 months (first discharge to 0%, then fully charge, then discharge to 60% for long-term storage); products that have not been charged or discharged for more than 6 months warranty will not be provided.
4. For safety reasons, do not store this product in an environment above 45°C or below -10°C for a long time.
5. If the product is seriously low on power and idle for too long, the product will enter deep sleep mode, and the product must be charged before use again.

SPECIFICATIONS

Model	S03 Pro	
AC Output	Rated Voltage	220-240VAC
	Rated Power	600W
	Peak Power	1200W
	Frequency	60/50Hz
DC 12V & Car Lighter Output	Rated Voltage	12.8V
	Rated Current	10A
USB-A / C Output	5V/3A; 9V/2A; 12V/1.5A [18W Max]	
AC Charge Input	50/60Hz 300W Max	
Solar Input	15-35Vd.c MPPT:15-33V/12A 240W Max	
Rated Capacity	512Wh	
Rated Voltage	12.8 Vdc	
Battery Type	LiFePO4	
IP Grade	IP21	
Working Temperature	0°C-40°C	
Dimension	240 x 185 x 195.5mm	
Net Weight	5.68kg	

WARRANTY INFORMATION

Our product is guaranteed to be free from manufacturing defects for a period of 12 Months. If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose.

This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by: Electus Distribution
46 Eastern Creek Drive, Eastern Creek NSW 2766 Ph. 1300 738 555