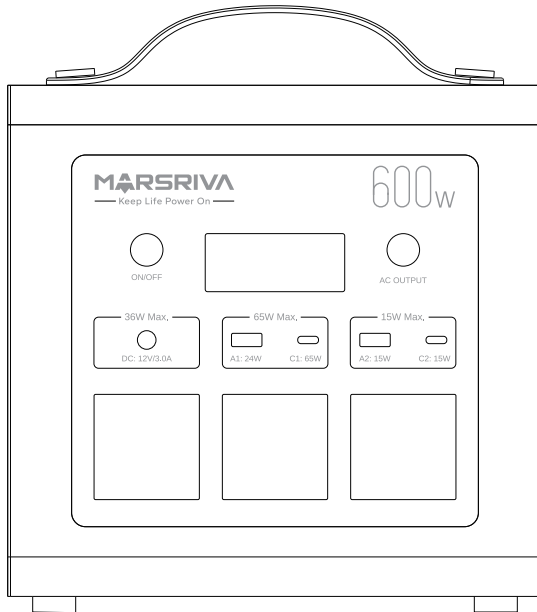




USER MANUAL

Portable Power Station

MP6 Plus



www.marsriva.com

DESCRIPTION

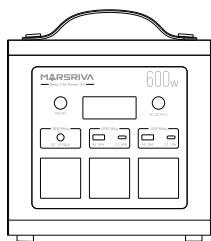
- Thank you for purchasing our portable energy storage power supply. This manual is designed to guide you in the safe and effective use of your portable energy storage power supply.
- This manual describes the proper operation, inspection and maintenance of this product.
- If this product is not used properly, it may cause electric shock or other hazards.
- Please read these instructions carefully before using this product.
- After reading this manual, please keep it in a safe place so that you can refer to it at any time (please note that the pictures in this instruction manual are for illustration purposes only and the product may differ from the pictures).

WARNINGS

- Before using this product, please read this manual carefully to ensure that you fully understand how to use the product correctly.
- This product generates electromagnetic waves during use and charging, so if you wish to power an implantable pacemaker or similar device, be sure to check with your physician or healthcare provider and the device manufacturer before using it.
- Do not attempt to disassemble or modify the product as this may cause the product to overheat causing a fire or electric shock. If the product is deformed or damaged as a result of dropping or being struck, do not continue to use the product to avoid a safety incident.
- Please replace the product charger or charging cable in time when they are damaged to avoid safety accidents.
- Please use the product within the ambient temperature of -10°C to 45°C as marked in the instruction manual. Do not place the product in liquid or corrosive gases to avoid safety accidents; and do not use the product in environments with a large amount of steam, dust, or oil fumes to avoid safety accidents.
- Please do not operate the product or charge the product with wet hands, in order to avoid electric shock accidents; when used outdoors, pay attention not to let rain, seawater, beverages and other liquids touch the product, in order to avoid safety accidents caused by short circuit due to the liquid flowing into the interior of the product.
- Do not connect the AC output to any electrical wires of the power company or indoor wires, which may cause electric shock or fire. When charging the product, be sure to use the charging cable configured by our company, if you need to use other chargers to charge the product in case of emergency, you must use a charger that meets the charging voltage and charging current requirements in the instruction manual to charge the product to avoid safety accidents. Please use a household power supply, DC car power supply or solar panel to charge the product battery. This product is set according to the voltage standard of different countries before delivery, before purchase and use, please consult the dealer or use the product against the instruction manual.

- If you notice any unusual odor, overheating, discoloration or deformation during charging, promptly unplug the charger from the outlet, otherwise overheating and fire may result. When connecting the power plug of an electrical device to this product, insert the plug firmly into the port, otherwise it may lead to electric shock or fire.
- Keep out of reach of children to avoid electric shock or injury due to improper operation.
- Do not store this product in a humid, dusty, or high temperature environment as this may degrade the insulating properties of the product and cause overheating or fire. Storage at high temperatures may also shorten battery life.
- This product should not be disposed of with household garbage; please recycle according to local laws and regulations.

PACKAGE CONTENT



Mini power station × 1



AC Charging Cable × 1



User manual × 1

SPECIFICATIONS

GENERAL INFO	
Rated Power	600W (Max.)
Mars-Boost	1200W (Max.)
Battery Capacity	512Wh
Battery Type	LiFePO4 Battery
Weight	7.12kg
Dimensions (W*D*H)	235 * 160 * 236mm

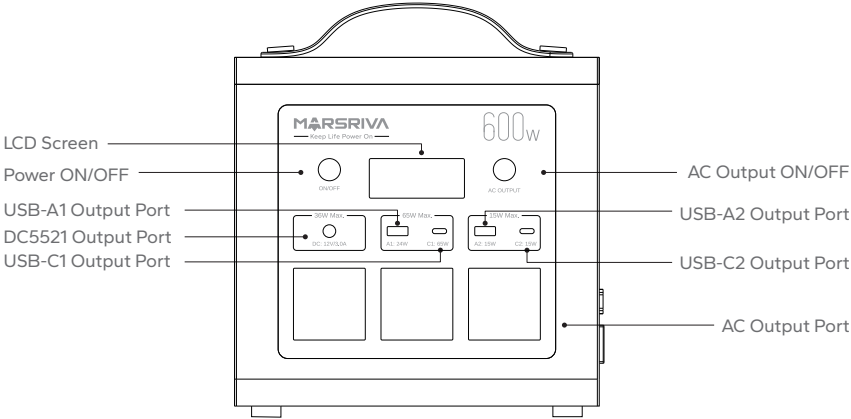
OUTPUT		
AC Output	230V Model	230VAC, 50Hz / 60Hz, 600W (Max.) Pure Sine Wave
	120V Model	120VAC, 50Hz / 60Hz, 600W (Max.) Pure Sine Wave
UPS		< 10ms
DC 5521 Output		12V $\mp$ 3.0A, 36W (Max.)
USB-A1 Output		5V $\mp$ 3.0A, 9V $\mp$ 2.0A, 12V $\mp$ 2.0A, 24W (Max.)
USB-A2 Output		5V $\mp$ 3.0A, 15W (Max.)
USB-C1 Output		5V $\mp$ 4.8A, 9V $\mp$ 3.0A, 12V $\mp$ 3.0A, 15V $\mp$ 3.0A, 20V $\mp$ 3.25A, 65W (Max.)
USB-C2 Output		5V $\mp$ 3.0A, 15W (Max.)
All USB Output		80W (Max.)
		A1 + C1 = 65W (Max.)
		A2 + C2 = 15W (Max.)

INPUT		
AC Charging	230V Model	170VAC – 260VAC, 50/60Hz, 600W (Max.)
	120V Model	85VAC – 140VAC, 50/60Hz, 600W (Max.)
DC Charging (XT60)		11 – 60VDC, 8A, 300W (Max.)

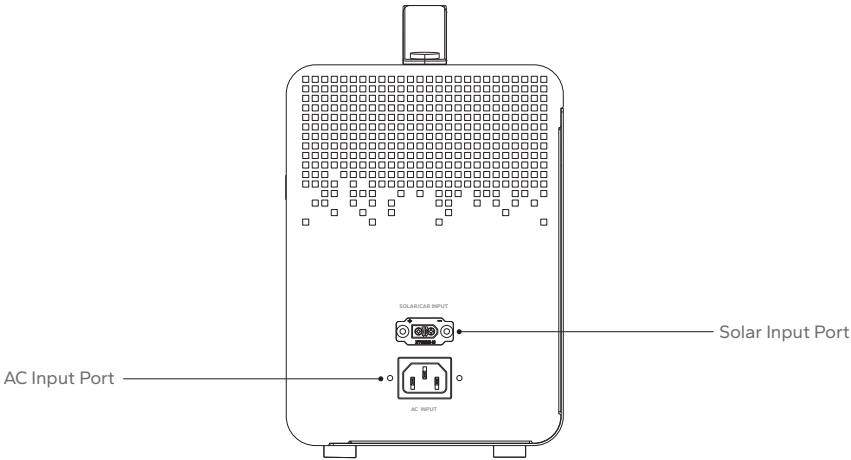
ENVIRONMENT	
Operating Temperature	Discharge: -20°C to 45°C; Charge: 0°C to 45°C
Storage Temperature	0°C to 45°C

**The manual is a universal version for 230V and 120V products. Please refer to the actual package and body sticker for specific specifications.

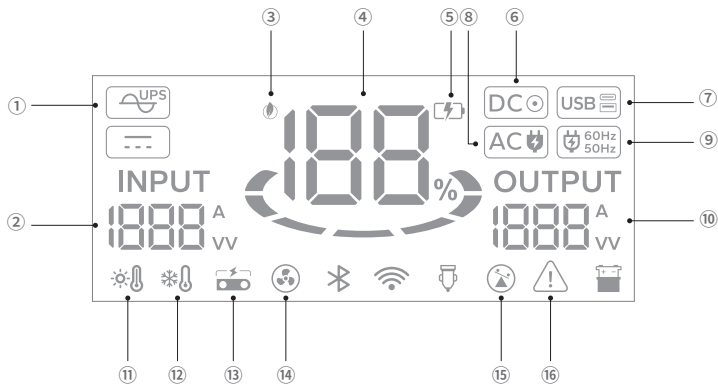
FUNCTION



*The type of AC socket varies in different countries or regions, the picture above is for illustration only, please refer to the actual product.



LED SCREEN GUIDE



- | | |
|--------------------------------|----------------------------|
| ① AC Input | ⑨ AC Output Frequency |
| ② Input Data | ⑩ Output Data |
| ③ POWER SAVING MODE | ⑪ High Temperature Warning |
| ④ Remaining battery percentage | ⑫ Low Temperature Warning |
| ⑤ Charging Indicator | ⑬ Solar Charing Indicator |
| ⑥ DC Output | ⑭ Cooling fan Indicator |
| ⑦ USB Output | ⑮ Overload Warning |
| ⑧ AC Output | ⑯ Error Warning |

OPERATING INSTRUCTIONS

- How to enable USB and DC output function:

Press and hold the "Power On/Off" button for 2s to turn on the device, the USB-A and USB-C and DC5521 will be automatically turned on at the same time. The USB and DC5521 icon on the display screen will light up.

Note: Even when the power station is turned off, it will automatically power on when charging via AC or DC. The USB and DC output functions will also be activated automatically.

- How to turn on the AC output function:

First turn on the power of the product, and then press the "AC Output" button. At this time, the AC output will be turned on and the AC icon on the screen will light up. Then user can connect power cable to devices and power them. Press the "AC Output" button again to turn off the AC function.

*This product supports UPS function, the typical switching time is 10ms.

Combinations of Buttons

1. Press and hold the POWER ON/OFF button and the AC Output ON/OFF button simultaneously to toggle the Power Saving mode on and off.
 2. Press and hold the POWER ON/OFF button and the AC Output ON/OFF button simultaneously for 10 seconds to go into Warehouse mode*.
- * Warehouse Mode means that the power station is completely powered off, which is recommended when the device is not going to be used for an extended period off time or when it is being returned to the factory. Once in Warehouse Mode, the device must be recharged via AC or solar panel to reactivate.

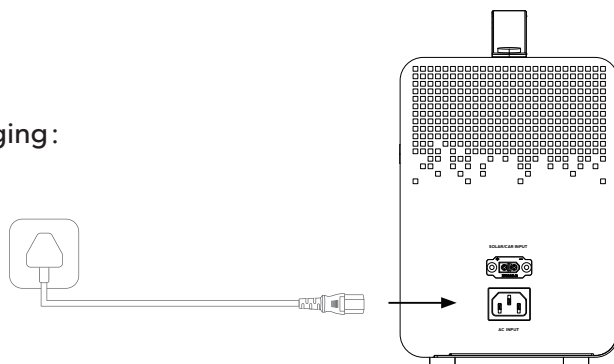
Note: When the screen is off, button combinations will not function. The MP6 Plus must first wake the screen with a short button press to use any functions.

CHARGE YOUR MP6 PLUS

This product supports AC charging and solar charging. You can connect the product to utility or AC power source by connecting the input power cable. Then the AC Input icon on the display lights up and there is a charging power display, indicating that the product is charging.

Note: The power station supports simultaneous charging via both AC and DC inputs. In this mode, DC input is prioritized. For example, if solar energy provides 200W of input power, AC will supply 400W, resulting in a combined maximum input power of 600W.

AC charging :



MP6 Plus

*Connect the utility power to the product charging socket through the charging cable. When the AC charging icon on the display lights up, the power icon flashes in the way of a running light.

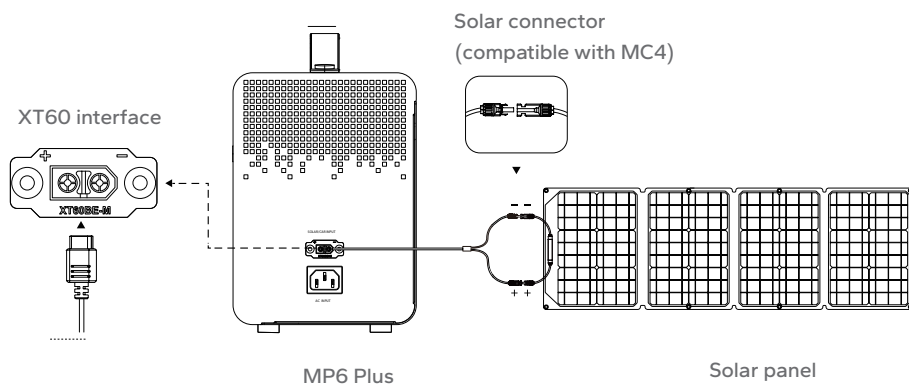
*If the internal temperature of the product is too high during the charging process. The product stops charging and discharging.

*When the battery is full, the screen power display bar shows 100% of the power which indicates that the charging is complete. The overcharge protection function is activated, and charging will stop automatically.

*It is not necessary for the battery to be fully charged. The overcharge protection function is activated and charging will stop automatically. If the UPS function is not in use, please disconnect the charging cable from the device and unplug it from the power outlet in time.

Note: The product has intelligent temperature control charging management function. It will automatically adjust the charging power through the battery temperature rise.

Solar Charging:



Note: The power station supports a Solar input voltage range of 11-60V. If the input voltage exceeds 60V, the product will activate over-voltage protection to prevent potential damage. Users must strictly follow these instructions. Failure to operate within the specified voltage range or improper connections will void the free warranty service for any resulting damage.

To charge the product using solar panels, please follow the steps illustrated above:

1. Connect the solar panel to our specialized MC4 to XT60 charging cable.
2. Insert the XT60 connector of the charging cable into the XT60 port on the power station to begin charging.

When the solar panel's output port is connected to the XT60 charging port, the battery will start charging, and the battery indicators will display a dynamic running light pattern to show active charging status.

*Users can charge this product using universal solar panels with MC4 connectors purchased from their preferred channels, provided the panel's voltage and current specifications (11–60V, $\leq 8A$ max) meet the requirements of the power station.

Please ensure correct polarity when connecting the cables — reverse polarity may damage the device. Damage caused by third-party solar panel defects or improper operation during the warranty period will not be covered under free repair services.

UPS FUNCTION

MP6 Plus supports Uninterrupted Power Supply function. Connect MP6 Plus to the mains power supply and link the load (such as a desktop computer) to MP6 Plus to power your device.

In case of a Grid sudden blackout, the product can automatically switch to battery-powered supply mode within 20ms.

The UPS function is enabled by default and no manual operation is required.

Caution :

*MP6 Plus does not support 0ms conversion. Please do not connect it to devices with high conversion time requirements (such as medical devices). Otherwise, Grid outage may cause the load equipment to fail to operate normally.

*It is recommended to use a UPS with a power output not exceeding 600W at the same time to avoid triggering overload protection.

POWER SAVING MODE

- Turning on the Power Saving mode prevents wasting energy as it automatically turns off the power station when AC+DC output under 5W after 1 hour , or turns off the AC output when AC output under 5W after 1 hour
- Turning off the Power Saving mode will enable stable charging over an extended period, such as for refrigerator that stores medicine, time-lapse photography or when using a CPAP machine overnight.
- Press and hold the POWER ON/OFF button and the AC Output ON/OFF button simultaneously to toggle the Power Saving mode on and off.

MARS-BOOST

MP6 Plus supports Mars-Boost. It can power devices rated at up to 1200W without incurring operation failure due to overload protection.

Observe the following tips when using the Mars-Boost feature:

1. Mars-Boost is not suitable for appliances with voltage protection (such as precise instruments).
2. Mars-Boost is suitable for heating and motor-driven devices. Please conduct your own tests to check whether your devices support Mars-Boost.

Notice:

Mars-Boost feature cannot be used in bypass mode (e.g., MP6 Plus is connected to the mains power supply and the mains power supply is normal).

ERROR CODE & TROUBLESHOOTING

LCD Indicator flash	Cause of Abnormality	Solution
	Device Overheating	• Reduce overall load by disconnecting non-essential or high-power appliances. • If charging at high power, switch to a lower charging power or pause charging. • Ensure adequate ventilation or install the recommended cooling fan for the battery pack. • Allow the device to cool to normal operating temperature before attempting a restart.
	Device Undercooling	• Move the device to a warmer location and allow it to acclimate above 10°C for at least 30 minutes. • Once the device temperature is within the normal operating range, restart the device. • Avoid starting heavy loads until the device has warmed up.
	AC Output Overload	• Verify that no single appliance connected to the AC output exceeds the rated power; disconnect if exceeded. • Ensure the combined load on all AC outlets does not exceed the unit's rated AC output capacity; redistribute or remove loads if necessary. • Inspect connected appliances for short circuits and remove any faulty devices. • After resolving the overload, toggle the AC output switch to reset the AC module.
	DC/USB Output Overload	• Ensure devices connected to the DC5521 port do not exceed 12V/3A. • Confirm that USB-connected devices do not exceed the rated USB output limits; disconnect or use lower-power devices if necessary. • After resolving overloads, ensure the device starts correctly when unloaded, then reconnect loads and verify normal operation.

LCD Indicator flash	Cause of Abnormality	Solution
	AC Input Overvoltage	• Verify the AC input voltage and ensure it does not exceed the maximum specified value. • If the input voltage is too high, disconnect the AC source immediately and consult an electrician.
	AC Input Undervoltage	• Verify the AC input voltage is within the specified operating range. • If input voltage is below the minimum required, use an appropriate voltage converter or stabilizer before charging. • After correcting the input voltage, reconnect the AC charging cable and restart the AC charging function.
	Solar (XT60) Input Overvoltage	• Confirm that the XT60 (solar) input voltage does not exceed 60 V. If it does, reduce the input voltage (e.g., reduce the number of solar panels in series). • After the overvoltage condition clears, reconnect the XT60 cable and restart the XT60 charging module.
	Device Malfunction	• Restart the device to attempt recovery. • If the fault persists, contact customer service for troubleshooting and RMA/return authorization.
	Device Damage	• Contact customer service to arrange a return or repair (RMA). • Do not attempt to disassemble or repair the device yourself; unauthorized repairs may void the warranty.
	Abnormal AC input frequency	• Confirm the AC input frequency at this time. To ensure proper equipment operation, the input frequency must be maintained within 45-65 Hz. • After ruling out the above, reseal the AC input plug.

WARRANTY REGULATIONS

Please read the warranty carefully and keep it in a safe place.

1. This product will be repaired if it fails during the warranty period for normal use in accordance with the operation manual. The parts replaced during this period are the property of our company.
2. For a replacement warranty card, please send this warranty card with the product.
3. No free repairs will be made during the warranty period if any of the following conditions apply.
 - Malfunction or damage caused by failure to observe the precautions recorded in the operating instructions;
 - Failure or damage caused by improper storage and custody (product battery failure due to not recharging the product for a long period of time);
 - Malfunction or damage caused by using an adapter other than the specified power supply and outside the specified voltage range;
 - Failure or damage caused by private repair, disassembly or modification;
 - Damage to the surface coating and exterior is not covered by the warranty;
 - Product outer packaging and product accessories are not covered by the warranty.
4. Failure or damage due to force majeure (force majeure refers to unforeseen, unavoidable or insurmountable objective events, including natural disasters such as floods, fires, explosions, lightning, earthquakes and storms, as well as societal events such as wars, disturbances, etc.).
5. This manual is for use in (this sales area) only, and the final interpretation right belongs to our company.
6. This manual will not be distributed separately to users, so please keep it in a safe place.
7. If the dealer's name is not written or stamped, ask the dealer from whom you purchased the product for proof of the date of purchase and the dealer's name, and issue a receipt to the dealer. If you do not have such proof, please contact your dealer or the company from which you purchased the product. If you purchased the product from our online store, please be sure to provide proof of the date of purchase, such as an invoice, order number, or a screen shot of your order history.

THANK YOU FOR PURCHASING MARSRIVA PRODUCT

PRODUCT WARRANTY CARD	
Product :	
Model :	
Purchase Date (DD / MM / YY) :	
Customer Name :	
Telephone Number :	
E-mail Address :	
Dealer's Name and Address :	
Serial Number* :	



This Warranty applies only if the Product was newly manufactured on the Date of Purchase and not sold as used, refurbished, or manufacturing seconds. Please keep the proof of purchase and this warranty card for future service requests.

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Made in China



Specifications are subject to change without notice, all product drawings are for reference only.