

# User Manual

## Portable Power Station

**193 Wh**  
**52000mA**



### 1 POWER FUNCTION:

TYPE ————— Portable Power Station  
 CAPACITY ————— 52000mAh/192.4Wh  
 DC IN ————— DC 11-30V 5A MAX  
 TYPE-C ————— PD60W  
 PV IN ————— DC 12-30V 5A MAX

DC OUT ————— DC 12-16-20-24V 5A MAX  
 TYPE-C ————— PD60W  
 USB1 ————— QC3.0 18W MAX  
 USB2 ————— QC3.0 18W MAX  
 USB1&USB2 ————— DC 5V 3. 5A MAX  
 BATTERY OUT ——— DC 12-16.8V 10A MAX








- **LCD Screen Turn On:** Short Press, LCD display voltage and power
- **OUTPUT/DC5521:** Hold Press 3 Sec+Short Press, DC OUT DC 12V/16V/20V/24V Meet the Voltage Requirements of Different Equipment
- **OUTPUT2:** DC 12V~16.8V Dedicated to ACOPower Refrigerator
- **USB/QC3.0:** Support Devices Mobile Phones, Tablet PC, Digital Camera and other USB/QC3.0 Digital Devices, Plug a USB Cable into one of the USB Ports, Device auto Charging
- **TYPE-C:** IN/OUTPUT
- **PD 60W:** 5V/9V/12V/15V/20V Max3A
- **LED Light:**
  - Double Press: LED Light on
  - Double Press+Short Press, LED Emergency
  - Fishing Light on Double Press: LED Light off
- **Size:** 7.48×4.26×1.67in (190×108.2×42.3mm)
- **Weight:** 1.38Kg

## 2. POWER APPLICATION

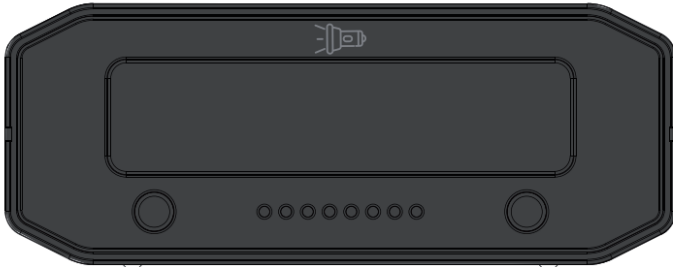
**2.1 APPLICATION(I):** For LAPTOPS,MOBILE ,DRONES, CAMERA etc Equipment



 <p><b>DRONE</b> Multiple Drone Battery Charges</p>	 <p><b>TABLET</b> 60 h of Extended Battery Life / 6 Full Charges</p>	 <p><b>MOBILE</b> 250 h of Extended Battery Life / 18 Full Charges</p>	 <p><b>LAPTOP</b> 27 h of Extended Battery Life / 2.7 Full Charges</p>	 <p><b>TV</b> Powers a 32"TV (60W) for 2.5 h</p>
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**2.2 APPLICATION(2):** For ACOPOWER /LIONCooler PX /VX Series



28046



**2.3 APPLICATION(3):**LED LIGHT

- Double Press:LED Light on
- Double Press+Short Press, LED Emergency Fishing Light on
- Double Press:LED Light off



### 3.POWER CHARGING

#### 3.1.CHARGING METHOD

- Solar Charge :MAX Current :5A ,MAX Solar Panel Open Circuit Voltage 30V(DC5521 Connector)



- Car /Truck Charge (12V/24VCar /Truck) (DC5521 Connector)



- Wall Charge : INDC 11~30V MAX 5A ,(DC5521 Connector)



- TYPE-C Fast Charger PD60W(USB -C)



- Built In Refrigerator For Charging:Through PV Plug or DC12V/24V DC Plug



- AC Adapter Charging or Car Charging



AC Adapter Charging



Car Charging

- Solar Charging :MAX Current :4A ,MAX Solar Panel Open Circuit Voltage 30V , Through the PV Plug of the Refrigerator By MC4-5521 Cable:



Solar Charging

## 4. POWER OUTPUT

- TYPE-C :PD60W 5V/9V/12V/15V/20V Max3A
- USB1: QC 3.0 MAX 18W
- USB2: QC 3.0 MAX 18W
- USB1+USB2:+5V/4A(Use two together)
- DCOUTPUT: 12V/16V/20V/24V,MAX 10A
- FOR Refrigerator Power: OUTPUT:12V~16.8V MAX10A

When the power is supplied to the refrigerator through the backend output of the power supply, the LCD displays "OUT2" in communication with the refrigerator, that the output is normal. If "OUT2" is not displayed, please short Press power button.

## 5. POWER OFF

### 5.1. Separate Use of Power


- Short press (less than 1 second) the power button, and the LCD will display "OUT1". At this time, the battery voltage will be displayed, and there will be no load connection. It will automatically shut down within 60 seconds.
- Turn on the power, hold press the power button for more than 3 seconds, and enter DC output mode. The LCD displays "OUT1", and then short press sequential output the displayed voltage "12V/16V/20V/24V" of DC5521 port. There is no load connection, and it will automatically shut down after 120 minutes. Or After 45 seconds, hold press power button for 3 more seconds, to manually shut down

### 5.2: Power Refrigerator

- The power LCD display shows "OUT2", which has supplied power to the refrigerator. The compressor has not started within 24 hours. To reduce battery self loss, the power automatically shuts down
- The power LCD display shows "OUT2", which has supplied power to the refrigerator. If you need to turn off the power, please unplug it and it will automatically shut down within 60 seconds

## 6. TROUBLESHOOTING

If the machine malfunctions, you can refer to the table below to troubleshoot. If you still have questions, please contact the official after-sales customer service for help. Do not disassemble or repair the machine by yourself

FAULT TYPES	POSSIBLE REASONS	SUGGESTED MEASURES
 Flash	Power temperature too high	Turn off all outputs, leave in a ventilated area for 15-30 minutes, and automatically recover
Not Charging In the Refrigerator	Electrical connection disconnected or input voltage too high exceeding 30V	Check the internal electrical connections of the refrigerator,/Reduce input voltage
Unable to power on	Battery drain	Battery drain
PD charging power too low	The power of PD charger itself is very low, please check	Replace PD charger
Replace PD charger	Not active	Disconnect it and then reconnect it
Not working when placed in the refrigerator	OUT2 output not turned on	OUT2 output not turned on

## 7. Usage Notes

- To protect the long-term capacity of your Power station, please unplug the power wire promptly after the device is fully charged.
- Keep the product away from extreme heat or cold, as well as any, flammable items or damp places. Also avoid sudden acceleration/deceleration and impact erosion/deceleration and impact on hard surfaces.
- Don't rain forest or Put it into the water.
- Run a full charge/discharge cycle at least once every four months to avoid shortening the life span of the internal battery.
- If long term storage is likely to occur between uses, we recommend to store at approximately 50% of full charge.
- Using your Power pack in temperatures below 0°C/32°F or above 40°C/104°F is highly inadvisable and will likely cause irreparable damage to the internal battery.