2500W LITHIUM PORTABLE POWER STATION

USER MANUAL



PLEASE READ THIS MANUAL BEFORE USE

NOTICE: The user manual is universal for portable power station AC output range 100V~240V/50Hz~60Hz. Actual product specification, AC outlet etc. will be different according to different countries & area. Please refer to the actual product before use this product.

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CHARGE THE POWER STATION NOW

Built-in ultra-high capacity lithium-ion battery pack. Before using or storing, please charge 2500W LITHIUM PORTABLE POWER STATION by the lithium-ion charger until it's fully charged. Don't leave the battery sitting without being charged for extended periods of time. The best thing for any battery is to use it and charge it in time.

Product Overview



DC SWITCH	E 12V SOLAR INPUT
AC SWITCH & DISPLAY	G USB 5V 2X2.1A
HI-AMP DC 12V OUTLET	(H) DC 12V 10A
50 AMP INPUT/OUTPUT	() AC BREAKER
IN-VEHICLE CHARGE INPUT	() AC OUTLETS

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General Safety Instructions

Safety Instruction

As dangerous voltage and high temperature exist within the lithium portable power station, only qualified and authorized maintenance personnel are permitted to open and repair. Please make sure the lithium portable power station (AC & DC) is turned off before opening and servicing.

This manual contains information concerning the storage and operation of the lithium portable power station. All relevant parts of the manual should be read prior to the operation.

Any operation against safety requirement or against design, manufacture, safety standard will be out of manufacture warranty.

The manufacturer accepts no liability for damage in the following cases:

* Damage to the product resulting from improper use, mechanical influences and incorrect connection voltage.

* Alterations to the product without express permission from the manufacturer.

General Precaution

Energized Equipment – Electrical Shock and Explosion Hazards



- Do Not submerge in liquid or operate in wet environments. Device is Not waterproof or water resistant.
 Operate in dry environments only.
- Do Not operate in flammable or explosive environments.
- Do Not operate if the unit is damage in any way including loose electronics or if charging cords are frayed or wires are exposed.
- Do Not place foreign objects inside the power outlets or ventilation holes.
- Always keep and use the device out of the reach of children.
- Do Not open the unit without permission and professional instruction.



- Do Not put fingers or hands into the device.
- Do Not attempt to replace the internal battery cells.
- Do Not power any device AC over 2500W or DC 200A for risk of damage to the inverter & trigger main switch protection.
- Please hold the device tightly, when it's stored or used.
- Only use the device between the temperature of -10°C to +50°C (-14°F to +122°F).



Three ways to charge the lithium portable power station: AC charger, solar, in-vehicle charge.

Charging from AC charger

- 1. Please make sure the DC switch always turn on during charging;
- 2. Plug AC charger into wall outlet using the included power cord;
- 3. Connect the Anderson plug of AC charger to "50AMP INPUT/OUTPUT" outlet;
- 4. During the charging, the light of AC charger is Red, the fan of charger is working;
- 5. The light of AC charger is Green, when charged fully. Please plug off Anderson plug and AC plug.

Charging from solar

1. 30A DCDC MPPT Solar Charger built-in, ensure the max charging current from solar panel is Not more than 30A, and open circuit voltage is Not more than 25Vdc;

- 2. Place the solar panel in direct sun;
- 3. Connect solar panel with the port "12V SOLAR INPUT" by Anderson plug;

4. To check the charging information, connect with watt meter kit between "12V SOLAR INPUT" with solar panel.

Charging in-vehicle

CAUTION: Before charging, please ensure the power cable is connected well with alternator. Reverse polarity will burn the fuse or damage the charger (built-in). Upon connecting the device with Euro6 engine, please connect IGN feedback wire to alternator.





1. Connect alternator with the port "IN-VEHICLE CHARGE INPUT" by Anderson plug;

2. Plug IGN feedback wire into IGN port;

3. To check the charging information, connect with watt meter kit between "IN-VEHICLE CHARGE INPUT" with power cable.

CAUTION: One 40A in-line fuse protects DCDC MPPT solar charger.

Operating Instructions

USING LITHIUM PORTABLE POWER STATION

Once fully charged, the portable power station is ready to work immediately. No set up is required. All outputs may be used simultaneously. Please ensure the total load power is Not more than 2500W (12V 200A).

DC switch

All 12V sockets & Anderson plugs are controlled by DC switch, except "12V SOLAR INPUT" and "IN-VEHICLE CHARGE INPUT".

AC switch & display

Turn on, the display startup, activate the inverter with 1 beep alert.

DC operation (max 200A output)

1. Please ensure the total discharging current is Not more than 200A. Or else it may trigger 200A main power breaker protection.

2. All connecting ports are high quality, but please plug in/off properly for long service life.

3. Max power of 12V cigarette lighter socket is 120W (12V 10A); max power of 50A Anderson plug is 600W (12V 50A); max power of 175A Anderson plug is 2100W (12V 175A). Please ensure each port is Not exceed the limit, and the total power is Not more than 2500W (12V 200A).

4. Short circuit is forbidden. Any short circuit caused by improper use, will trigger breaker protection or damage the lithium power station. Failure by improper use will be out of warranty.

CAUTION: Once trigger 200A main power breaker protection, please contact with manufacturer or distributor to reset main power breaker.

CAUTION: One 50A automatic reset breaker protects "50AMP INPUT/OUT-PUT" outlets. Any over discharge of "50AMP INPUT/OUTPUT" outlets, please disconnect the load immediately, reconnect in a few minutes and avoid over discharge.

CAUTION: One 30A in-line fuse protect 12V cigarette lighter sockets & dual USB socket.

AC operation (max 2500W output)

1. The display shows: Battery percentage, DC voltage, AC voltage, AC power. Before using AC outlet, please check the battery percentage, DC voltage & AC voltage, to ensure if enough power for the load.

2. One 32A breaker to protect AC outlets. Please ensure the breaker turn on.

3. Disconnect and turn off the power when Not in use.

CAUTION: Check carefully that the voltage rating for your appliance to match the voltage of the lithium portable power station.

CAUTION: Do Not block air inlet and outlet, especially when the inverter is working.





If the lithium portable power station fails to operate as specified, follow these troubleshooting steps to correct the issue. If you still experience issues, please contact the manufacturer or distributor.

Charging issues

- 1. Ensure DC switch turns on.
- 2. Please ensure all outlets and cords are connected securely.
- 3. Use watt meter kit to check the charging information.

4. AC charger - During AC charging, check the light of AC charger is Red and fan is working. Check the fuse inside AC charger.

5. DCDC MPPT solar charger - Under permission and instruction of distributor, remove the screws and open the lid, to inspect 40A inline fuse holder. Replace 40A fuse if needed with the same size fuse.

12V DC outlets issues

1. Ensure DC switch turns on.

2. Check if the light of USB socket is on or not. If not, using watt meter to test "50AMP INPUT/OUTPUT" ports.

3. Turn on AC switch to check if the display is working well.

4. Under permission and instruction of distributor or us, remove the screws and open the lid, to inspect all breakers.

AC outputs issues

1. Ensure AC switch is on.

2. Ensure the display is working well, check the percentage of battery, DC voltage and AC voltage.

3. Reset AC breaker.

CAUTION: If above steps can't current the issue. Under permission and instruction of distributor, remove the screw and open the lid, checking main breaker and relative wirings.

Specifications /

Model No.	XI	XII		
Battery Specification				
Battery Type	LiFePO4(Lithium iron phosphate)			
Battery Voltage	12.8V			
Capacity	120Ah 240Ah			
Battery Lifespan	2000+ Life cycles			
BMS Capability	200A			
Output Specification				
AC Rate Power / Surge Power(max)	2500W / 5000W			
AC Continuous Output Voltage	220-240V			
AC Rated Frequency	50Hz			
AC Outlet	2 x AC Outlet (max 2500W)			
DC Outlet	Dual 5V 2.1A USB 2 x 12V 10A socket 2 x 12V 50A connector(input/output) 1 x 12V 175A outlet			
Input Specification				
AC Charger	Input: 220-240V AC, 50/60Hz, 5A Output: 14.6V 20A			
DCDC MPPT solar charger	ALT input: 12-16VDC Solar input: 12-25VDC LVD: 11.6V / 12.8V Output: 14.6V 30A EN60335, EN60335, EN55014, EN61000			
Operating Environment	Relative Humidity: 10%-90% Operating Temperature: -10°C to 50°C			
Dimension	L420*W250*H330mm	L420*W250*H430mm		
Net Weight	25.00KG	40.00KG		



