



Operating Instruction of Portable Power Station

VXL3000

**Warm prompt—please carefully read this instruction
before operation!**

Thank you for purchasing our products!

Before using this equipment, please read the warranty service in the warranty card first

If it does not meet, please contact our company as soon as possible to protect your rights.

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1. Product Introduction

VXL series portable power station is built by our company after many years of professional accumulation based on extensive user's feedback. The new design adopts imported lithium battery as the energy storage main body. It has the features of small size, large capacity, light weight, high power, easy to carry and so on, providing you the simple solution of mobile power supply. It is widely used in outdoor office, medical rescue, fire protection Rescue, field recreation, emergency communications, and environmental monitoring.

- Intelligent Fully-Automatic Dynamic Charge and Discharge Management Platform
- Multi-function display, showing battery voltage and battery power, voltage output
- Small size, large capacity, light weight, easy to carry
- SPWM pulse width modulation sine wave ,high precision low ripple voltage output
- Pure Sine wave AC 110/220V voltage output, Can supply power to most electrical equipments
- Built in high capacity, long life, high efficiency lithium-ion battery
- Can output AC (110V/220V) and DC (DC5V/12V) at the same time
- With Overcharge and over-discharge protection, power monitoring and low battery warning function.
- With short circuit, overload, over temperature and other protection functions, it is safe and reliable. There is a security warning and sign and cautions.

2.Button Instructions

2.1 VXL3000 Button Instructions



- | | | |
|--------------------|---------------------|---------------------------|
| ① Lighting Switch | ② LED Light | ③ AC Switch |
| ④ BAT Switch | ⑤ Parallel port | ⑥ communication port |
| ⑦ AC Output Socket | ⑧ AC Output Voltage | ⑨ Battery Voltage & Level |
| ⑩ DC 5V Output | ⑪ DC 12V Output | ⑫ Charging Input |

3. Operating Instructions

3.1 Operation Step

①: Check the power of load, ensure that the rated power of load is not exceed the rated power of this portable power station. If it is higher, please use a higher output power portable power station.

②: Press “Power” button to start the portable power station, after AC output voltage is stabilized, then plug into a load on it. (it is very important)

③: The multi-function display can indicate battery voltage, battery level and AC output voltage.

④: After use it, please take off the load and turn off the “Power” button after the fans stop to turn.

⑤ **Parallel use:** first ensure that the voltage difference control value of the parallel host is within 2V, connect the parallel line in the off state, and then turn on the battery switch of the parallel host to realize the parallel connection of the host's batteries. Can be used single or multiple at the same time.

3.2 Operation Cautions

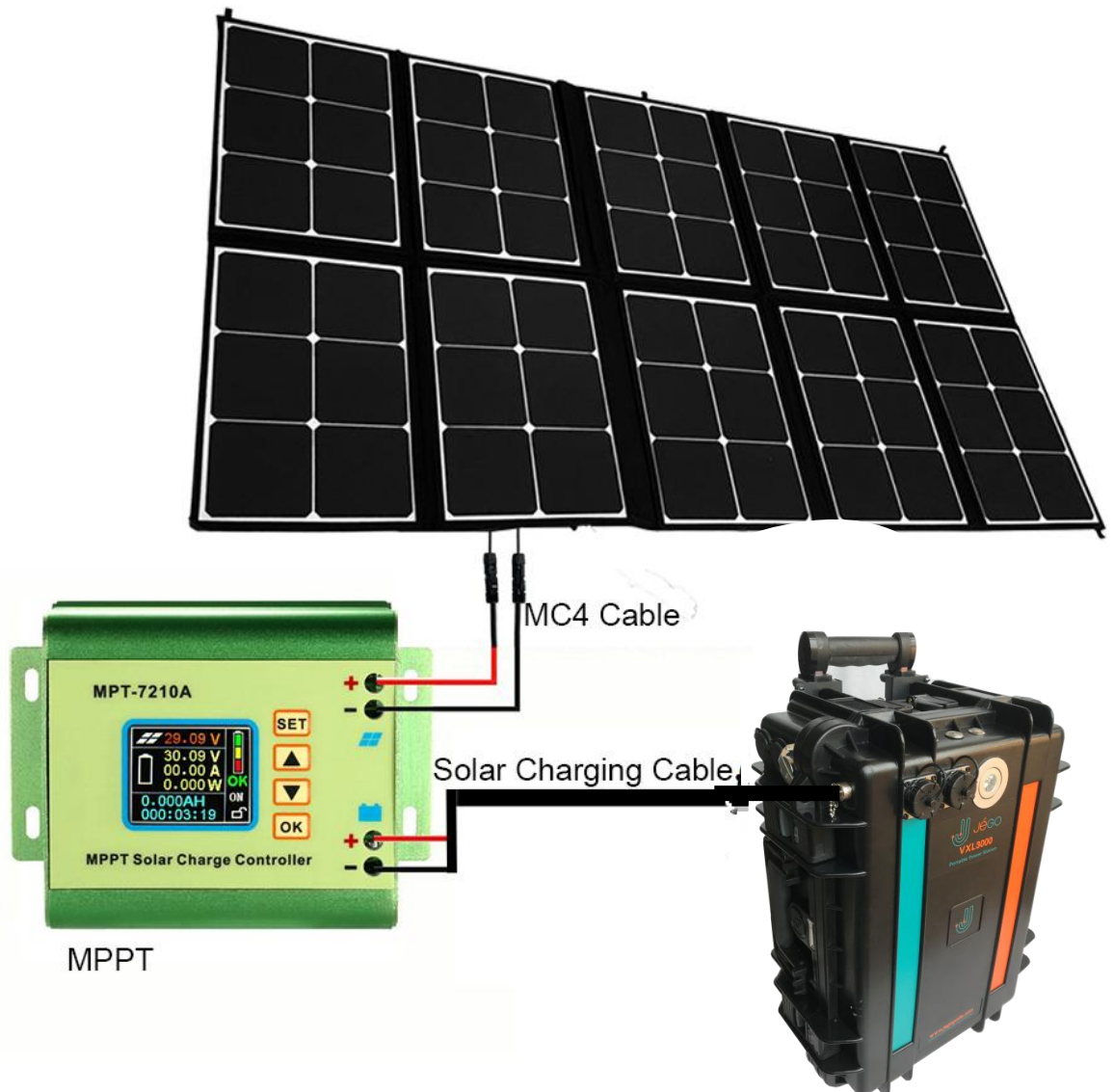
- During use, when the battery voltage is too low/temperature is too high/the load is too large, the buzzer will alarm, and stop the output. That's remind the user to recharge/cooling/unload timely.

- When the voltage of the battery is below 45V (<45V), the load should be reduced to less than 1/3 of the rated load to prevent the battery from being discharged too quickly and to protect the power station.

4. Solar Panel Connection(Sold Seperately)

This portable power station also can charge by solar panels,if charge by solar panel,it include: solar panel,MPPT controller,MC4 cable,solar charging cable.

Below is the connection picture:



Note: We suggest use 600W solar panel to charge this power station,MC4 cable can change to other kind of connector such as Anderson.

5. Technical Parameters

5.1 VXL3000 Technical Parameters

| | |
|----------------------|--|
| Model No | VXL3000 |
| Battery Type | Lithium Battery |
| AC Current Output | 8.2A/13.6A |
| AC Voltage Output | 220V |
| Power Output | 1800W |
| Peak Power | 3600W |
| Waveform Output | Pure Sine Wave |
| Frequency | 50Hz |
| DC Voltage Output | DC 5V/2A DC12V/3A |
| Protection functions | Over Charge,Over discharge,Over load,Over Temperature,Short circuit,Under Voltage etc. |
| Charging parameters | 54.6V/10A |
| Battery capacity | 48V/60Ah |
| Charging time | 6h |
| Cycle life | >3000 times |
| Appearance size | 458*348*205 (mm) |
| Weight | 25.0Kg |

5.2 Reference Load Time

| Equipment | Power(W) | Usage Time(h) |
|-----------------------|----------|---------------|
| | | VXL3000 |
| LED Light | 5 | 600 |
| LCD TV | 30 | 100 |
| Laptop | 45 | 60 |
| Household fans | 75 | 40 |
| Audio | 150 | 20 |
| Refrigerator | 150 | 20 |
| Desktop computer | 200 | 15 |
| Washing machine | 300 | 9 |
| Vacuum cleaner | 500 | 6 |
| Air Conditioning (1P) | 800 | 3 |
| Microwave oven | 1200 | 2.5 |
| Electric kettle | 1500 | 2 |
| Electric heating | 1800 | 1.5 |
| Electric water heater | 2200 | / |

Note: The above load test usage time is for reference only. The actual usage time will vary depending on the brand of the load product.

6. Application Area

Multi-functional portable AC&DC power station can be applied for Medicaid, emergency communication, environment monitoring, firefighting , army field practice, outdoor work, household power outage as well as remote rural without electricity , advertising media for outdoor shooting, Except for above this normal application , it also can be used in tasks and administration, such as installation and maintenance of telecom network optimization , the army information technology company, the geographical survey task force, miners oil exploration team, architectural survey, water detection , investigation on wild resources of forestry agriculture etc .



7. Troubleshooting

- ① No AC Output: Check multi-function LCD screen displays or not. If not, please charge the battery for 1 – 2mins to activate the battery.
- ② No DC Output: Turn on POWER switch.
- ③ Long time alarm: Overheat or low battery level will lead to long time alarm. If the temperature is too high, please stop using the power station and let it cool down before using .If battery voltage is too low, please recharge the power station timely.
- ④ Lamp not lighting: Turn on the power switch again and then switch on the light.
- ⑤ No display on the screen when power on: The battery voltage is too low and is under the protection. Please turn off the “POWER” button, and then plug in the charger. Please use the battery when it is fully charged.

8. Maintenance

A) Daily operation and maintenance

- Follow this Manuel strictly in a well-ventilated environment when operate this products.
- Avoid operating this product in a environment where there are volatile combustible liquids, corrosive liquids, conductive fiber dust.
- Avoid exposure to rain and direct sunlight.
- To ensure heat dissipation, please make sure at least 5 cm space around for smooth airflow.
- Please clean this product regularly to avoid the dust on the surface.
- Please do not place the heavy things or liquid containers on the top of this products.
- Do not turn off this product immediately after use when the fans are still running. Please turn off this product when the fans are not running any more.
- People who is not professional should not be allowed to use this product to avoid any inquiry or damage.

B) Maintenance for long term shutdown.

- If this product is placed in a humid environment for a long time, it should be placed in a dry and ventilated place to remove moisture before use.
- Please recharge this product every 3 months if long time no use.
- Power recharging: Please recharge this product under no load. You do not have to do anything when recharging.

9. Transportation and Storage

- Upside down is Forbidden when transported and storage
- The storage place should be free of flammable, explosive, toxic and other chemicals or corrosive gases, without strong mechanical vibration and shock and avoid the strong electromagnetic field effects and sunlight exposure.
- Condition to storage
 - Temperature for recharging: 0°C ~ 65°C
 - Working temperature: -20°C ~ 65°C
 - Humid: 0%-90%

10. Warranty & Contact

10.1 Warranty

- This products is guaranteed for one year from the date of sale.
- For product warranty service or repair, the product should be returned to our company or the maintenance unit authorized by our company.

10.2 Limited Warranty

The guarantee mentioned above will not apply to the damage caused by the follows:

- The customer do not operate the product correctly according to Manuel.
- Unauthorized unpacking or modification.
- The product model or serial number has been changed, deleted or unrecognizable.
- Damage originates from accidents, including but not limited to lightning strikes, water ingress, fire, etc.

Website: www.jegopods.com