

Portable outdoor energy storage mobile source

Instructions for use

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1. product brief introduction

This product outdoor multi-functional mobile power supply, combined with solar charging, storage, discharge control management as the design basis, built-in high-capacity, high-performance lithium battery, using the current advanced automotive power lithium battery technology manufacturing, with multiple safety protection, strong output energy, to provide AC voltage output and different DC voltage output modes. It is convenient for different equipment to use electrical power supply, with strong flashlight, two-speed table lamp lighting, SOS flash mode, with household power supply, emergency emergency power supply, support for danger rescue, support for areas lacking power, camping or travel power supply and other use modes. The design system is composed of battery protection board, DC charging circuit, MCU control circuit, inverter circuit and LCD screen. Inverter 600W pure sine wave AC220V/50Hz and AC110V/60Hz two different versions of voltage, based on pure resistance load, DC12V/10A,USB QC3.0, TYPE-C PD, Suitable for digital products, camping, emergency communication, medical rescue, fire rescue and other fields.

2. Product technical parameters

KYX-G600-600W Parameter table

Item list	First name	Specification parameters	
Input	Dc input	DC 12-24V/7A MAX adapter	
	Solar input	DC 12-24V/7A MAX solar panel	
	Car charger input	DC 12-24V/7A MAX Car charger input	
Ac output 220V or 110V	Ac output voltage	AC220V±5% or AC110V±5% (this is an option function)	
	Ac output power	600W	
	Ac output overpower protection	Around 6 30W	
	Ac output waveform	Pure sine wave	
	Frequency	50Hz/60Hz	
	USB output	USB1 Output	QC3.0 5V/3A, 9V/2A, 12V/1.5A-18W (Max)
		USB2 Output	QC3.0 5V/3A, 9V/2A, 12V/1.5A-18W (Max)
TYPE-C1 output		PD 5V/3A, 9V/2A, 12V/1.5A-18W (Max)	
TYPE-C2 output		PD 5V/3A, 9V/2A, 12V/1.5A , 20V/3A , 20V/5A-100W (Max)	
DC12V output	DC1 DC2, cigarette lighter output	12V/10A-120W (Max)	
LED lighting	1W	Two gear dimmer lighting, SOS flash mode	
Battery	type	Lithium iron phosphate	
	Cell capacity	210000Mah	
	Battery pack power	30Ah/22.4V (672h)	
	Cycle life	More than 2,000 cycles	
Charging parameters	Power adapter	DC	
	Charge from 0% to 100% (automatic cut-off)	8h	
	The voltage when the battery is fully charged	25.2 V + / - 0.1 V	
LCD Display Information	Display power, charging, stop charging status, power percentage and power column display and interface icon DC, AC, inverter state and available time display		
Power-on static	Power-on static power consumption	< 10W	
	Safety protection	Short circuit, overload, over temperature, over voltage, over current, under voltage, etc	
Protective features	Overtemperature protection	85 °C or higher	
	Overtemperature recovery	70 °C or less	

3. Product operation instructions

3.0 Key Usage Instructions

Main switch Click to turn on the whole system, click to turn off the output of the whole system.

LED Light switch Click to turn on or off the LED light.

DC Switch Click to turn on or off the DC and vehicle cigarette lighter output.

USB Switch Click to turn on or off USB connection with TYPE-C output.

AC Switch Click to turn the inverter output on or off.

3.1 DC, USB, LED light key operation and LCD screen on the information display and operation precautions

3.1.1 Switch USB button can turn on or off USB output.

3.1.2 After the key switch is turned on, the display displays the USB symbol, indicating that the USB output is turned on.

3.1.3 Turn on DC button to turn on or off DC output and car charger output.

3.1.4 After the DC button is opened, the display displays the DC symbol, indicating that the DC output is opened.

3.1.5 Open the LED light button, and the LED light will turn on.

3.1.6 In case of abnormal operation, please turn off the power switch immediately and check whether the equipment is abnormal.

3.1.7 After use, please unplug the power plug of the device and turn off the power switch.

3.1.8 When the battery voltage approaches the protection voltage or reaches the low voltage protection, turn off the output of the whole device.

3.2 AC power socket key operation and LCD screen information display and operation precautions

3.2.1 After you click the AC switch, the AC port starts output.

3.2.2 The output of the AC port is normal, and the AC symbol is displayed on the display.

3.2.3 If the output of the AC port is abnormal, the AC switch should be turned off.

3.2.4 Check the rated power of the product to ensure that it does not exceed 2000W of the AC port.

3.2.5 After connecting the product, plug it into the AC port to output power supply.

3.2.6 In case of abnormal operation, please turn off the power switch immediately, and check whether the use of digital products is abnormal.

3.2.7 After use, please unplug the product and turn off the power switch.

3.3 Low voltage battery protection

3.3.1 When the product voltage is insufficient, the LCD screen will display the battery space shining continuously and will turn off all output. Please charge the product in time.

4. Product packaging list

Material code	Material name	Specification model	Units	Amount
1	Host machine	Finished product	PCS	1
2	Instructions	Neutral	PCS	1
3	Cardboard box	Neutral	PCS	1
4	Pearl Cotton	Pearl wool	PCS	2
5	Warranty Card	Warranty card	PCS	1
6	Power adapter	Charger + power cord	PCS	1

5. Precautions for product use

5.1 When using this product, please strictly follow the instructions.

5.2 For the product heat dissipation space, reserve 5CM space around the product to make the heat dissipation convection.

5.3 When the product battery is low, the load power exceeds the rated power, or the ambient temperature is too high, the product automatically starts the protection function to shut down the output.

5.4 Charging the Power Supply It is recommended to charge the product without load.

5.5 Leaving the power supply unused for a long time will cause the power supply to run out of its own charge, make sure to charge it every 6 months.

5.6 Using AC load, the power provided by this product is rated load power, generally less than this power of the AC load standby can be used normally, but some electrical equipment in the boot power is often greater than the rated power, such as motor equipment start instant power is generally several times of the rated power, In addition, the starting power of energy-saving lamps is about dozens of times the rated power. If their starting power is greater than the peak power of our products, the protection function will be started and the output will be automatically turned off.

5.7 Do not use this product in the environment of flammable, explosive and corrosive gases such as gasoline and gas.

5.8 If the product is accidentally invaded by water or other foreign substances, in order to ensure the safety of the product, please send it to the sales office for testing and treatment. Due to abnormal use, the company will charge for treatment according to the actual situation.

6. Simple troubleshooting of products

6.1 When there is no AC output at boot, check whether the power display screen is displayed. If it is not displayed, try to charge the product for 1-2 minutes to activate the product.

6.2 When there is no DC output at startup, check whether there is any problem with using digital products and connecting cables.

7. Warnings when using the product

7.1 Do not put the product in water!

7.2 Do not heat the product or put it near the fire!

7.3 Do not disassemble or transform the product without authorization!

7.4 Do not hit the product forcefully!

Safety Tips

To ensure your safe and correct use of this product, please observe the following:

(1) Keep the product out of reach of children.

(2) Please use the original factory or regular channels to buy accessories.

(3) Do not use this product above the rated load.

(4) Please use in a well-ventilated environment, do not store or use this product in the following environment:

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(2) **Please use the original factory or regular channels to buy accessories.**

(3) **Do not use this product above the rated load.**

(4) **Please use in a well-ventilated environment, do not store or use this product in the following environment:**

a. Places with flammable gases, corrosive substances, and large amounts of dust


b. Abnormally high or low temperature (above 40°C or below 0°C), high humidity (more than 90%) places

c. Places with direct sunlight or close to heating appliances

d. Places with violent vibrations

(5) **The battery is less than 30% or has not used this product for three months, please charge it in time.**

(6) **The product is equipped with a large capacity battery, non-professionals can not open the case, otherwise there will be electric shock, fire risk.**

 If there is smoke and fire, please use dry powder fire extinguisher, the use of liquid fire extinguisher has the risk of electric shock.

Warranty Card

Thank you for using this product! Our company provides you with a 12-month warranty from the date of purchase. Please show this warranty card when you need it and fill in the details.

Warranty coverage:

1. Quality problems that occur under normal use
2. If the damage to the product is caused by the wrong operation, it is not covered by the warranty
3. After disassembling the machine itself, it will not be guaranteed

Note: not within the scope of warranty products, our company can provide maintenance services, but maintenance costs need to be borne by customers

Product Model		Factory number	
Date of purchase		Repair date	
Guest name		Contact number	
Customer address			
Sales unit			
Product anomaly description			