



Energy Storage Battery

PRODUCT DATASHEET

51.2V 39Ah 1.997KWh

Outdoor Portable



This product is a portable energy storage power supply, which is a new energy system made of car batteries. Portable energy storage power sources are widely used in environmental protection, communication, fire protection, electricity, tourism, mining, exploration, military, science, media, disaster relief, medical assistance, environmental protection, household energy storage and areas with extensive power shortages, etc. It solves the problem of outdoor electricity consumption very well and facilitates people's work and life!



This product includes 1 AC inverter control board, 1 DC main control board, 1 battery protection board, 1 2000WH battery pack, 1 AC charging port, 1 DC PV input port, 1 (Anderson) fast charge input port, 2 USB-A outputs, 2 QC3.0 output, 2 TypeC outputs, 2 DC5521 outputs, a cigarette lighter output, 1 XT-60 output and 6 AC outputs.

Technical Specifications-Outdoor Portable Energy Storage Battery

Model	YL-ES-PP2000W
Rated Voltage	51.2V
Rated Capacity	39Ah
Rated Energy	1.997KWh
Battery type	16S3P LiFeP04
Terminal Charging Input	
Mains charging	AC110V 50Hz/60Hz 1000W (Y shape interface)
DC PV Charging Input	10~50V / 20A max / 650W max
DC Output Port	
(USB-A Output)*2	5V / 2.4A max
(QC3.0)*2	5V/3A 9V/2A 12V/1.5A
XT-60	12V/10A
Type-c(PD3.0)*2	100W, 5V/3A 9V/3A 12V/3A 15V/3A 20V/5A
DC 5521*2	12V / 3A max
Cigarette Lighter Ports	12V / 10A max
AC Output Port	
AC Output	100~120V / 220-240V 50/60Hz 2000W
Packing	
Product Size(L*W*H)	392*279*323mm / 15.43"x10.98"x12.72"
Box Size(L*W*H)	*****
Net Weight(KG)	22kg
Gross Weight(KG)	*****kg

Equipment Interface Instruction

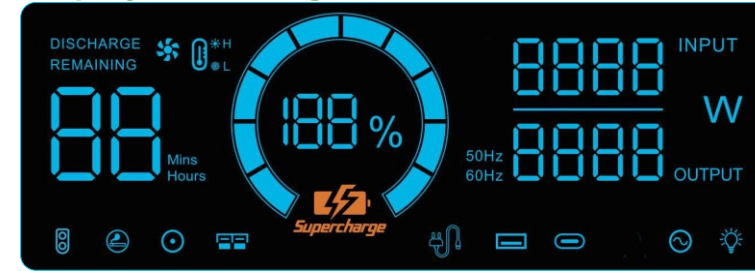
16 versatile output ports and 2 charging ports



Button function definition

Button name	Control method	Function description
POWER	Touch/Press	Touch and short press to wake up the display (display battery level), long press for 2S to turn off all outputs, long press for 20S to reset the system.
AC	long press for 2s	AC button on/off, AC output, AC indicator lights up when the button is on
DC	Touch/Short Press	DC button on/off, DC output, DC indicator lights up when the button is on
USB	Touch/Short Press	USB key on/off, USB output, USB indicator lights up when the button is on
LED	Long press for 2s/ Short Press	Long press for 2 seconds to turn on the function, short press to switch 4 modes (high light / low light / SOS / burst)

Display Renderings



Display contents include SOC power percentage, remaining charging time, remaining discharging time, charger charging power, solar charging power, DC discharging power, AC discharging power, Electric power, LED light indication icon, fan indication icon, fault alarm indication icon, temperature indication icon, DC output indication icon, USB output indication icon, AC-OUT Output indicator icon, 50/60HZ indicator icon.

Job Display

When the AC-OUT icon is on, it means that the AC inverter is on and the output voltage is turned on. When the USB icon is on, it means the USB output is on. Represents the solar port charging input, the LED icon is on, the LED is on, the output is turned on, and the FAN icon is on, the fan is on;

When the warning icon is on (⚠), it means a fault alarm

When the product recognizes that there is a charging input, the battery charging icon will indicate the battery level, the battery bar that is not fully charged will indicate the marquee, and the fully charged battery bar will be fixed.

Quantity of Electricity Display

When the charging state is recognized, it will flash upwards from the corresponding number of cells during charging; in the discharging state or the stationary state, the power cell corresponds to the percentage of SOC percentage, rounded to the nearest unit (for example, when the SOC is 55%, the three cells of the quantity of electricity display are always on)

Fault Display

When the USB overcurrent or short circuit is protected, the port closes the output, and the triangle warning light icon is always on/USB-OUT flashes.

When TYPE-C is over-current or short-circuit protection, the port will turn off the output, and the triangle warning light icon will light up/USB-OUT will flash.

When the DC output is over-current or short-circuit protected, the port output is turned off, and the triangle warning light icon is always on/DC-OUT flashes.

When the AC output is over-current or short-circuit protected, the port output is turned off, and the triangle warning light icon is always on/AC-OUT flashes.

When the AC output triggers the module over-temperature protection, the port output is turned off, and the triangle warning light icon is always on/AC-OUT flashes/temperature icon is on.

