

Outdoor Adventure

Portable Power Station

Advanced Lithium Technology Solid-state Battery



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Find more



Advantages

High Reliability Performances

- State-of-the-art semi-solid-state batteries:
Higher safety than lithium iron phosphate batteries.



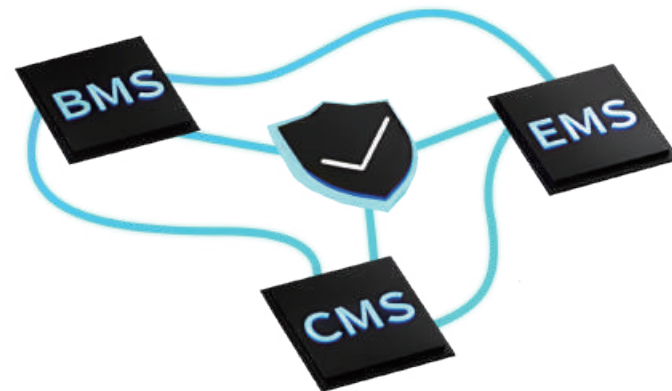
Semi-solid Li-ion Battery

The M2000 Power Station has a built-in semi-solid lithium-ion battery with an energy density of 30-50% higher than that of LiFePO4. The battery cells have passed multiple safety tests including stabbing, squeezing, dropping and overcharging without igniting or exploding, and more. These assure that the power station is entirely safe and reliable.

- 3-level Energy Management:
BMS, EMS, CMS Certification.

The M2000 Power Station is equipped with three management systems that work in tandem: charging management system (CMS), battery management system (BMS), and energy management system (EMS).

Any system failure can trigger other systems' protection. This built-in redundancy system helps keep your critical missions going even in unexpected scenarios.

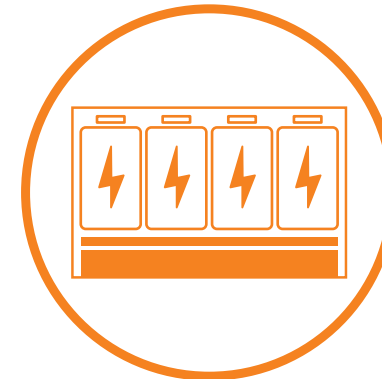


Advanced Technology



GaN Inverter Technology

Industry 1st GaN Technology Power Station
50% less heat generation
30% smaller with higher power density
 Up to **96%** inverter efficiency



Semi-solid-state Technology

60% smaller
30% lighter



Multi-level Management: BMS, EMS, CMS

3 redundancy systems at work

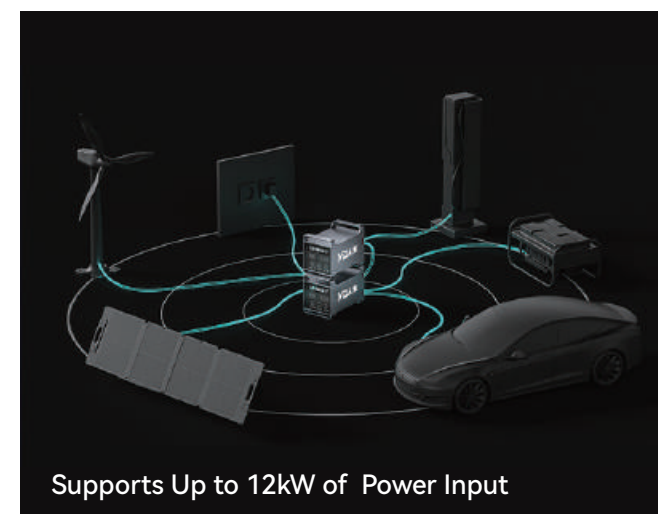
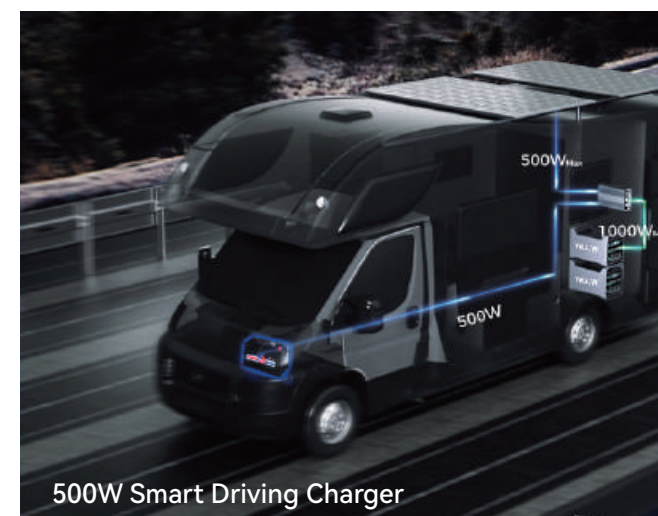
Friendly Operation

- Expandable, supports up to 16kW power output and 20kWh capacity power backup.



Supports a capacity of up to 20kWh & a power output of 16kW

Performance Above Everything



To charge a single M2000 Power Station

Max. 1200W AC Input

AC + Solar or Wind Charging
1.5 hours to 100%

● UPS Features.



● Low noise.



● Aluminum alloy material, drop-resistant and durable.



● Light weight with high energy density and high bulk density.



● Support -22°F charging and discharging.



● IP63 level for water & dust protection.

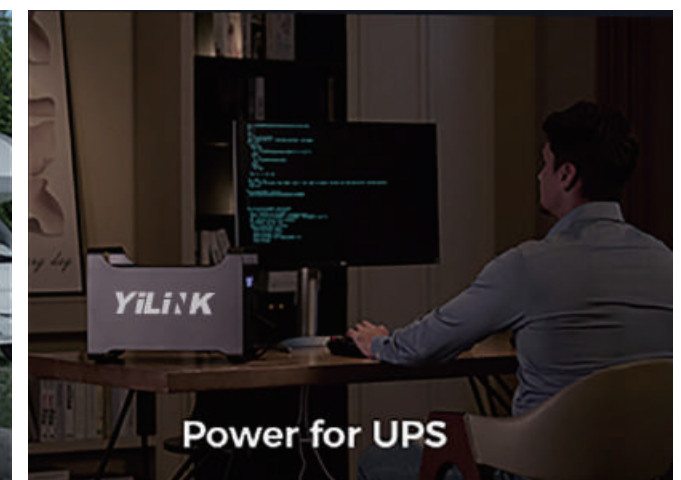
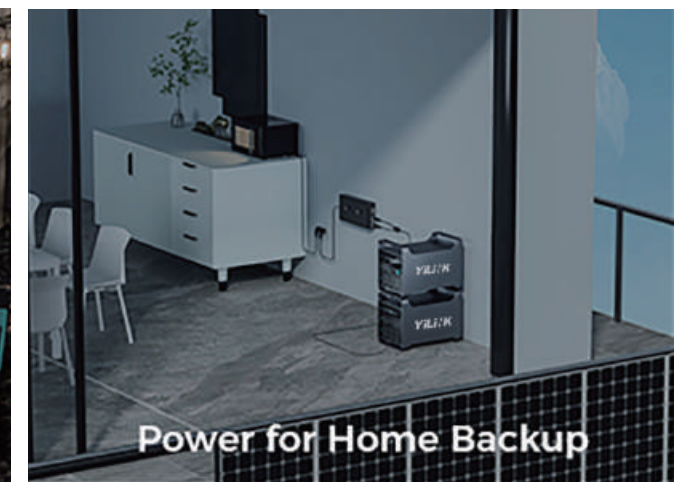


● Up to 96% inverter efficiency.

● Low heat generation.

Applications

● Empower Everything, Everywhere



Load Usage

Cigarette Lighter Port

DC Appliances

 $\approx 40h$

Car Refrigerator 50W

 $\approx 25h$

Electric Blanket 80W

 $\approx 13h$

Diesel Heater 150W

USB Port

Digital Appliances

 ≈ 135 Times

Mobile Phone 4000Ah

 ≈ 33 Times

Camping Light 60Wh

 ≈ 125 Times

Digital Camera 16Wh

AC Port

Home Appliances

 ≈ 50 Times

Drone 40Wh

 ≈ 12 Times

Electric Pressure Cooker 800W

 ≈ 15 Times

Electric Kettle 1500W

 $\approx 1h$

Electric Hot Pot 2000W

 $\approx 40h$

Electric Fan 50W

 $\approx 1.7h$

Electric Wok 1000W

 $\approx 0.9h$

Electric Oven 1750W

 $\approx 3.6h$

Coffee Maker 550W

 $\approx 1.2h$

Hair Dryer 1600W

 $\approx 1.3h$

Cordless Hammer Drill 1500W

 $\approx 1.6h$

Cutting Machine 1100W

 $\approx 1.4h$

Electric Pickaxe 1300W

The above data is derived from laboratory testing. Actual results may vary depending on testing conditions, appliance differences, and ambient temperature. These figures are for reference only.

Specification

Model	M2000
Battery	
Battery Type	Semi-Solid-State Lithium-ion Battery
Battery Voltage	32.4V
Battery Ampere-Hour	62Ah
Battery Capacity	2008.8Wh
Cycle Life	≥1000 Times
BMS Protection	Over-voltage, under-voltage, high/low-temperature, three-level over-current Short-circuit Protection
AC Output	
Output Voltage	100-240V(Factory Settings According to Various Countries and Regions)
Output Frequency	50-60Hz(Manual Switching, Fixed in Some Countries/Regions)
Output Waveform	Pure Sine Wave
Rated Power	2000W
DC Output	
DC5521 Interface	DC12V 6A Max.
Car Charging Port	DC12V 12A
USB Output	
USB-A1、USB-A2	5V2.4A Smart Identification
USB-A3、USB-A4	QC2.0/3.0/QC4.0 5V/9V/12V/15V/20V 60W Max.(20V 3A)12A
USB-C1、USB-C2	PD3.0 5V/9V/12V/15V/20V 100W Max.(20V 5A)
LED Lighting	
First Gear	5W(Max.), Cool Light, Warm Light Switchable
Second Gear	10W(Max.), Cool Light, Warm Light Switchable
Third Gear	SOS
Fourth Gear	Strobe (Alarm Flashing)
Charging	
AC Charging	100-240V, 1600W Max.(According to Factory Settings in Various Countries and Regions)
Car Charger Charging	12.5-15V/8A 100W Max.
Solar Charging	18-48V/20A 1000W Max.

Product Weight	
Net Weight	About 17.5kg
Gross Weight	20.2kg
Product Volume	
M2000 Power Station	L355*W216*H258mm
Package Volume	479*339*382mm
Operating Temperature	
Charging Temperature	0~40℃, Low-temperature Version: -10℃ with Dedicated Storage Bag, Supports a Minimum of -30℃
Discharging Temperature	-10~45℃, Low-temperature Version: -20℃ with Dedicated Storage Bag, Supports a Minimum of -30℃