

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.



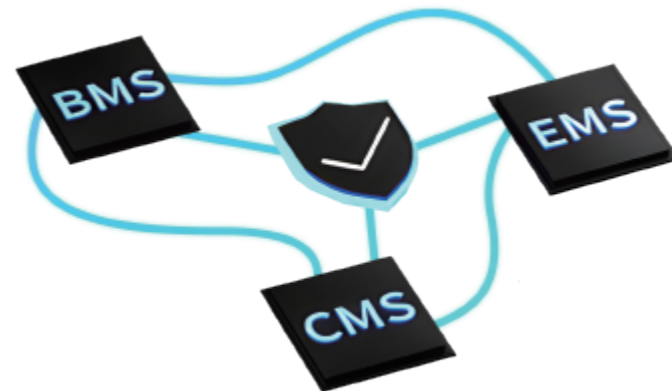
Semi-solid Li-ion Battery

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.

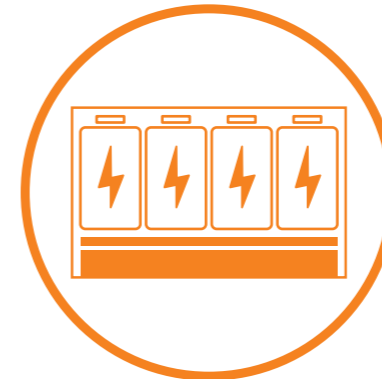


Advanced Technology



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

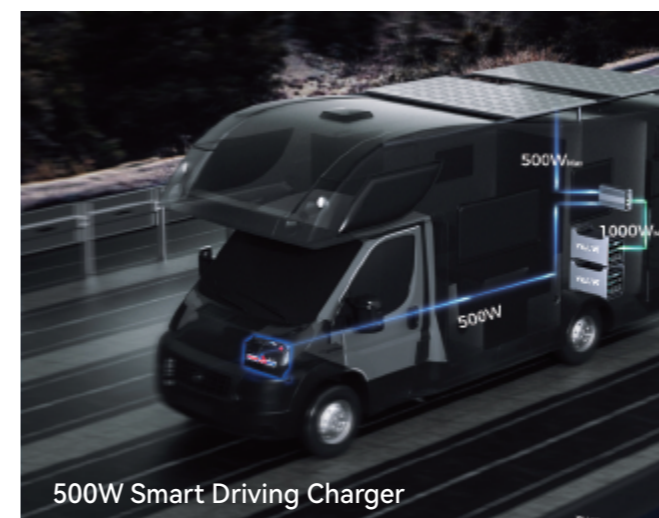
Friendly Operation

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



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

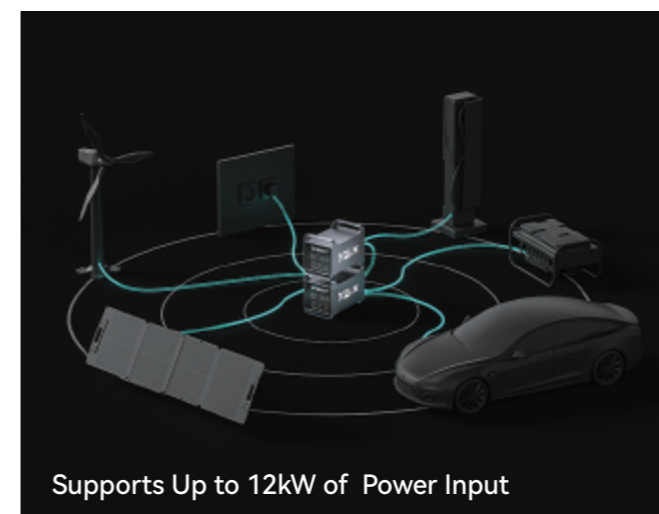
Performance Above Everything



500W Smart Driving Charger



Power Up Your EV Directly



Supports Up to 12kW of Power Input

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.

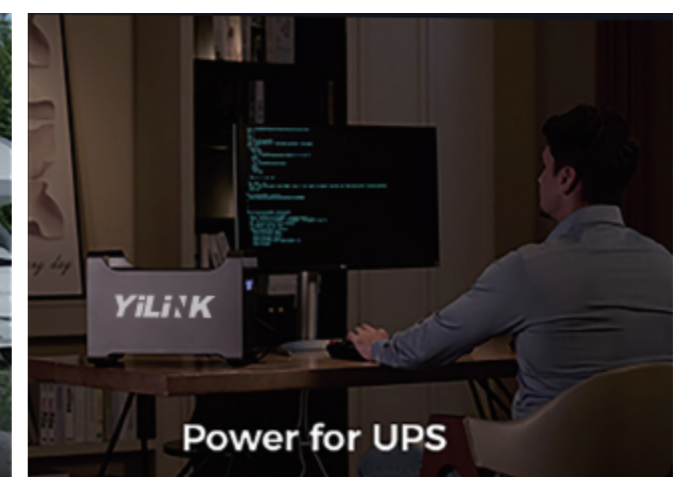
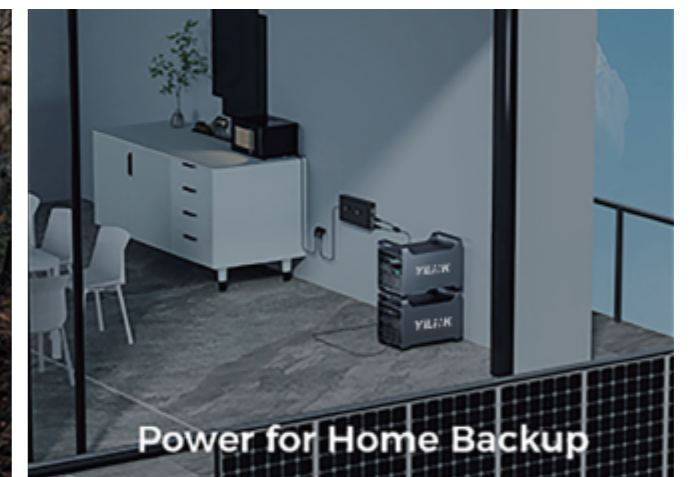
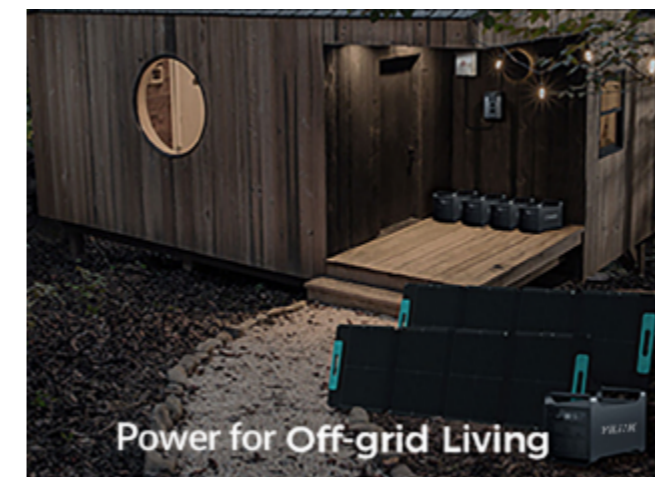


● Up to 96% inverter efficiency.

● Low heat generation.

Applications

● Empower Everything, Everywhere



Specification

Item	Minimum	Typical	Maximum	Notes
Main Parameters of Battery Pack				
Individual Battery Voltage	2.75V	3.65V	4.2V	
Continuous Discharge Current of Single Battery	/	31A	/	
Individual Battery Capacity	27500mAh	31000mAh	/	
Battery Pack Voltage	24.75V	32.4V	37.8V	
Continuous Output Current of Battery Pack	75A	80A	85A	Maximum current discharge is only allowed at 0°C
Nominal Capacity(25±5°C)	60Ah	62Ah	/	
Stand by Power Consumption	30uA	100uA	150uA	
Discharge High Temperature Protection	63°C	65°C	67°C	Deviation: ±2°C
Discharge High Temperature Protection Recovery	/	60°C	/	
Discharge Low Temperature Protection	/	-10°C	/	
Discharge Low Temperature Protection Recovery	/	-8°C	/	
Charging High Temperature Protection	46°C	48°C	50°C	
Charging High Temperature Protection Recovery	/	45°C	/	
Charging Low Temperature Protection	/	0°C	/	
Charging Low Temperature Protection Recovery	/	3°C	6°C	
Charging Ambient Temperature	0~45°C			
Discharge Ambient Temperature	-10~60°C			
Storage Ambient Temperature	-20~60°C			
Storage Relative Humidity	5%~85%			

Item	Minimum	Typical	Maximum	Notes
AC Input Parameters in Charging State				
Input Voltage	180V	220V	230V	
Input Low Voltage Protection	170V	/	/	
Input Over Voltage Protection	/	/	245V	
Input Frequency	50/60Hz			
Input Current	/	/	9A	
Power Factor	0.95PF	/	/	
Input Short Circuit Protection		Yes		
AC Output Parameters in Inverter Operation (DC/AC)				
Number of Output Channels	/	3CH	/	
Output Voltage	200V	220V	240V	
Output Frequency	49Hz	50Hz	61Hz	
Output Efficiency	92%	/	95%	
Output Power	/	2000W	/	
Peak Power	/	3000W	/	< 1S
THD	/	/	3%	
Over Temperature Protection	/	/	70℃	Battery temperature
Output Short Circuit Protection	Yes			
Bypass	Yes			When the powerstation works in ups mode
DC Output Parameters in Charging State (AC/DC)				
Output Voltage	27V	/	37.8V	
Output Current	/	/	40A	Max. 1500W charging
Trickle Charging Current	/	3A	/	
Output Efficiency	/	/	95%	
Output Voltage Ripple	/	500mv	/	
Output Current Ripple	/	3A	/	
Over Temperature Protection	/	/	50℃	
Output Short Circuit Protection	Yes			

Specification

Item	Minimum	Typical	Maximum	Notes
DC Input Parameters in Inverter Operation				
Input Battery Voltage	/	32.4V	37.8V	
No-load Power Consumption	/	/	25W	
USBA1/USBA2 Interface Output Parameters				
Output Voltage	4.7V	5.0V	5.2V	
Output Current	2.0A	2.4A	2.5A	
Over Current Protection	2.6A	2.7A	3.5A	
Short Circuit Protection	Yes			
Supported Protocol	BC1.2			
USBA3/USBA4 Interface Output Parameters(QC3.0)				
Output Voltage	4.7V	5.0V	20V	QC4.0
Output Current	/	3A	3.1A	
Over Current Protection	/	/	3.2A	
Short Circuit Protection	Yes			
Supported Protocol	QC3.0			
USBC1/USBC2 Interface Output Parameters (PD3.0)				
Output Voltage	4.7V	/	20V	
Output Current 1	/	3A	3.1A	5/9/12/15V
Output Current 2	/	5A	5.1A	20V
Over Current Protection 1	/	3.1A	3.2A	5/9/12/15V
Over Current Protection 2	/	5.1A	5.2A	20V
Short Circuit Protection	Yes			
Supported Protocol	PD3.0, Support PPS			
XT60 Car Charging Input				
Input Voltage	12.6V	/	30V	
Input Current	/	8A	/	
Short Circuit Protection	Yes			
Efficiency	/	85%	90%	

Item	Minimum	Typical	Maximum	Notes
DC5521 Output Parameters				
Output Channel	/	2CH	/	DC1&DC in parallel
Output Voltage	11.5V	12.6V	13V	
Output Current	4A	5A	6A	
Output Total Over Current Protection	12A	12.2A	12.6A	
Short Circuit Protection	Yes			
Efficiency	/	85%	90%	
Function Description	In normal mode: DC1, DC2, and cigarette lighter output are connected in parallel, with a total current of not exceeding 12A.			
Cigarette Lighter Output Parameters				
Output Voltage	11.5V	12.6V	15V	
Output Current	/	12A	13A	
Output Total Over Current Protection	/	14A	15A	
Short Circuit Protection	Yes			
Efficiency	/	90%	95%	
Function Description	In car battery charging mode, the cigarette lighter output current does not exceed 13A.			
XT60 Photovoltaic Input				
Input Voltage	12.6V	25V	50V	
Output Current	/	/	20A	
Input Over Current Protection	/	21A	22A	
Short Circuit Protection	Yes			
Efficiency	/	/	95%	