

FPR-outdoor portable power station

New generation of safe, fast charging, outdoor power supply series

# Smaller, Lighter and Safer

Semi-solid-state Battery | GaN inverter | All-in-one Design



# 8 REASONS

To buy FPR portable power stations

**Smaller  
Lighter**



**2000W**

Adapt 99% of  
electrical appliances



**Semi-solid batteries**

Car-grade lithium iron phosphate  
battery/semi-solid battery  
Battery IP64 with waterproof and  
dustproof

**1 hour full, ultra-fast**



**GaN technology**

The core indicators, such as  
volume, temperature control, and  
energy efficiency are fully  
optimized.

**0.02s UPS  
instantaneous  
switchover**

**Quieter**

Power less than  
1000W, close to  
zero noise

**More resilient**

Support -30 °C charge  
and discharge  
IP63

# High-Capacity Power



**2 hours**

Rice cooker  
800W



**30 hours**

Outdoor Refrigerator  
60W



**2 hours**

Electric kettle  
850W



**16 hours**

Electric fan  
100W



# Smaller and Lighter



**50%**

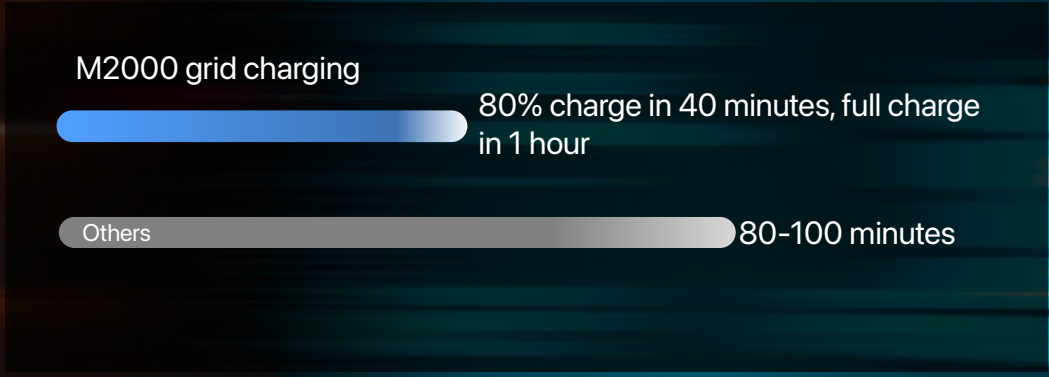
Lighter

**60%**

Smaller

# Power Up and Go, Ultra-fast & Versatile Charging

multi-scene, multi-way charging, safely without hurting the cell.



You can charge it all you want



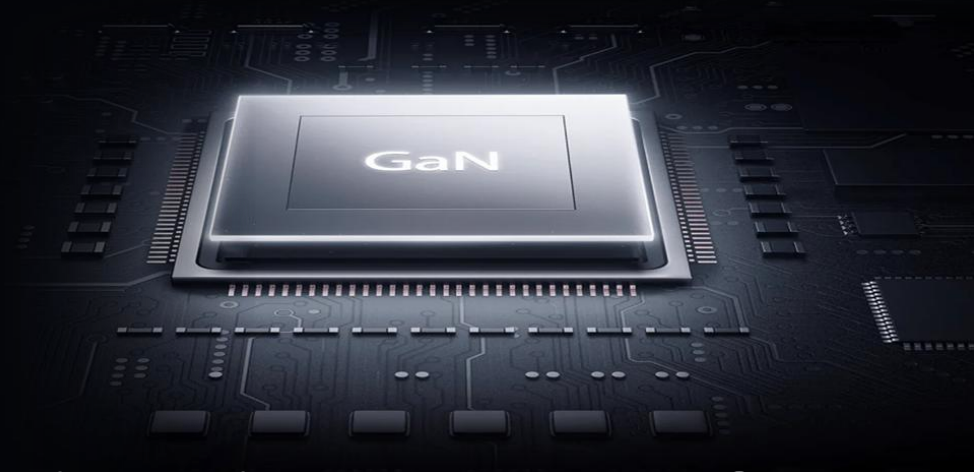
# GaN Technology

Smaller  
60% \*

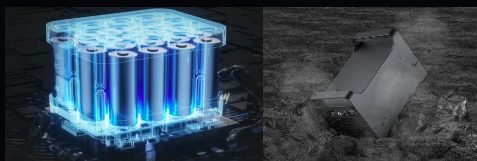
Lighter  
50% \*

Quieter  
60% \*

\* compared to the products in the market with the same power.



## Semi-solid cell + BMS Super Secure



The semi-solid state battery core passes safety tests such as needle penetration, extrusion, drop, and overcharge without catching fire or exploding, ensuring true safety.



Three major built-in management systems: CMS Charging Management System, BMS Battery Management System, EMS Energy Management System, a high degree of safety redundancy

# Uninterruptible Power Supply

20ms seamless switching during an outage, ensuring uninterrupted operation of desktop computers, refrigerators, fish tanks, and more, ensuring you're fully prepared for emergencies with complete peace of mind.

## Normal

Mains electricity



AC



Electric appliances



20 ms

## Outage

Mains electricity



AC



Electric appliances



# Quiet as the Night

Reducing operating noise by

**60%**

for a near-silent experience



# High-capacity and Portable

Battery capacity **3.3** kwh

Rated Power **4000** w

**2** in parallel



# Resilient as It Is

Support -30 °C charge and discharge



Adapt to harsh environments

All-in-one enclosure design  
IP63 protection  
100% increased strength



# 12 Devices in Use



# Product Specification



	Parameters	M1000 (LFP Cells)	M1500 (LFP Cells)	M2000 (Semi-Solid Cells)
General info	Cell Chemistry	Lithium Iron Phosphate	Lithium Iron Phosphate	Semi-Solid State
	Nominal capacity	1111Wh, 51.2V/21.7Ah	1566Wh, 51.2V/31Ah	1664Wh, 32.4V/52Ah
	Weight	14.8 ± 0.2(kg)	17.5 ± 0.2(kg)	18.5 ± 0.2(kg)
Output ports	USB-A (x2)	5V-2.4A; 12W Max	5V-2.4A; 12W Max	5V-2.4A; 12W Max
	USB-A QC4.0 (x2)	5V/9V/12V/15V/20V--3A; 60W Max;	5V/9V/12V/15V/20V--3A; 60W Max	5V/9V/12V/15V/20V--3A; 60W Max
	USB-C PD3.0 (x2)	5V/9V/12V/15V-3A; 20V-5A; 100W Max	5V/9V/12V/15V-3A; 20V-5A; 100W Max	5V/9V/12V/15V-3A; 20V-5A; 100W Max
	Car charger	12.6V-12A; 15V-12A shared port with car charger (input)	12.6V-12A; 15V-12A shared port with car charger (input)	12.6V-12A; 15V-12A shared port with car charger (input)
	XT60(x1)	12.6V-12A; 24V-10A;48V-10A	12.6V-12A; 24V-10A;48V-10A	12.6V-12A; 24V-10A;50V-20A
	AC(≥x3)	110V~ 60Hz, <b>1000W</b> Max (Surge 2000W)	110V~ 60Hz, <b>1500W</b> Max (Surge 2000W)	100-120V, 50-60Hz, 2000W Max (Surge 4000W)
	AC bypass (x3)	100-120V~, 60Hz, 20A Max, 2000W Max	100-120V~, 60Hz, 20A Max, 2200W Max	100-120V, 50-60Hz, 2000W Max (Surge 4000W)
Input ports	AC charger	100-120V~, 60Hz, 800W Max;	100-120V~, 60Hz, 1000W Max;	100-240V, 50-60Hz, 1600W Max
	Solar charger (XT60)	18-60V-20A; 800W Max	18-60V-20A; 800W Max	18-48V-20A; 1000W Max
	Car charger(XT60)	12.5-15V-8AMax; 25-30V-8A Max	12.5-15V-8AMax; 25-30V-8A Max	12.5-15V/8A Max; 100W Max
Others	(DC EXTEND)	40-60V, 1000W Max;	40-60V, 1000W Max;	N/A
	APP control	Bluetooth 5.2; WiFi2.4GHZ; (IEEE 802.11b/g/n)	Bluetooth 5.2; WiFi2.4GHZ; (IEEE 802.11b/g/n)	Bluetooth 5.2; WiFi2.4GHZ; (IEEE 802.11b/g/n)
	Operating temperature	Charging temperature:-30°C~40°C; Discharging temperature:-30°C~40°C; (Pre-heating is required under 0°C)	Charging temperature:-30°C~40°C; Discharging temperature:-30°C~40°C; (Pre-heating is required under 0°C)	Charging temperature:-30°C~40°C; Discharging temperature:-30°C~40°C; (Pre-heating is required under 0°C)

# Package List

- 1 M2000 outdoor portable power station
- 2 Accessory box
- 3 Product package box
- 4 User manual
- 5 AC charging cable
- 6 MC4-XT60 PV cable
- 7 Car charging cable

