

LIBRIDS

MODULAR ENERGY STORAGE POWER SUPPLY FOR ALL SCENARIOS

LIBRIDS



Know More About Us

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DIRECTORY

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ABOUT LIBRIDS

Librids is a leading brand under **Nuo Eco Innovations Co., Ltd.**, headquartered in Dongguan City, Guangdong Province, China.

The company integrates design, research, development, and sales, providing innovative smart lighting and clean energy devices to consumers worldwide. It aims to build an industry-leading global brand.

Leveraging deep user insights, a profound understanding of the consumer electronics and energy storage industries, and extensive supply chain resources, the company is committed to becoming a research-driven, globally leading clean energy enterprise.

To date, it has obtained over 140 technical patents, including more than 20 invention patents.

TEAM

The core team comes from leading outbound technology companies such as **Anker Innovations** and **TP-Link**, with over 10 years of experience in the smart home and energy storage power product industries.

With a deep understanding of the market and a relentless pursuit of innovation, our team of engineers and designers has successfully developed a modular energy storage solution after two years of continuous effort.

This solution is not only suitable for a wide range of professional scenarios, but also scalable to meet future needs.

MISSION

Our mission is relentless innovation. We are committed to providing safe, reliable, and cost-effective sustainable energy products to customers around the world.



Patented Modular Innovative Stacking

The battery can expand from 2kWh to 100kWh, and the AC output is expandable from 2.2kW to 22kW.

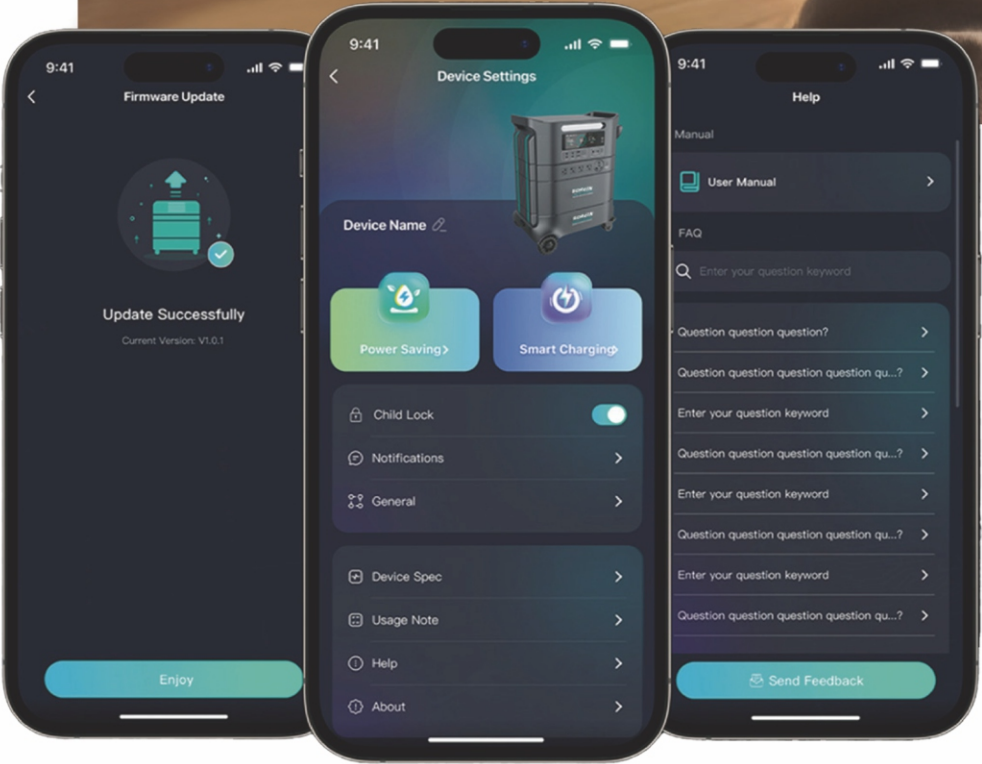
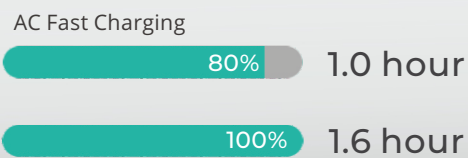


Multiple AC Input Port

Super X Charging

Max Solar Input
1000W

AC Input Max
2200W × N modules



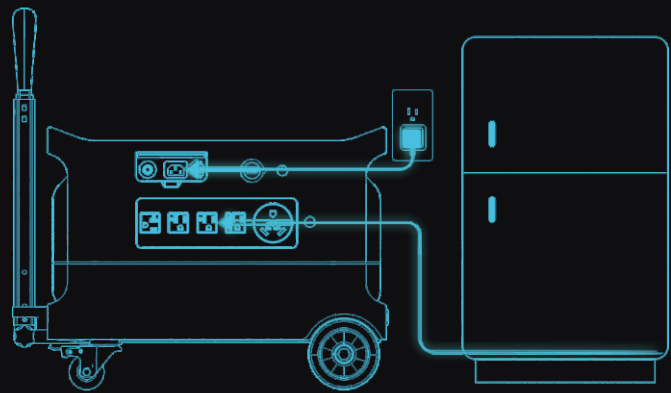
Remote anytime, anywhere

The additional Mifi Module and Global Carrier Services keep devices online, supporting scheduled charging, intelligent remote control, energy statistics, and firmware upgrades.

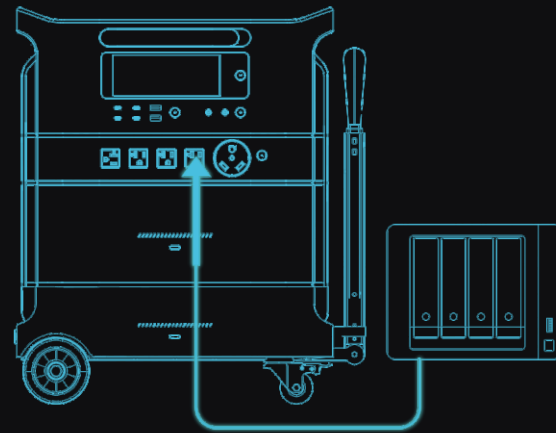


UPS

Experience uninterrupted power with the inimitable UPS technology, achieving true 0ms downtime.



UPS 1: $\leq 20\text{ms}$



UPS 2: $\leq 0\text{ms}$

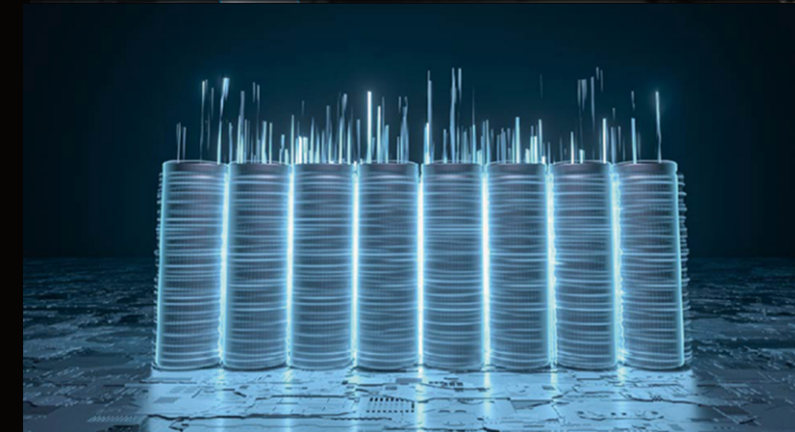
BMS

Featuring over 18 BMS protection algorithms, it offers comprehensive monitoring and regulation of voltage, current, temperature, capacity, and more.



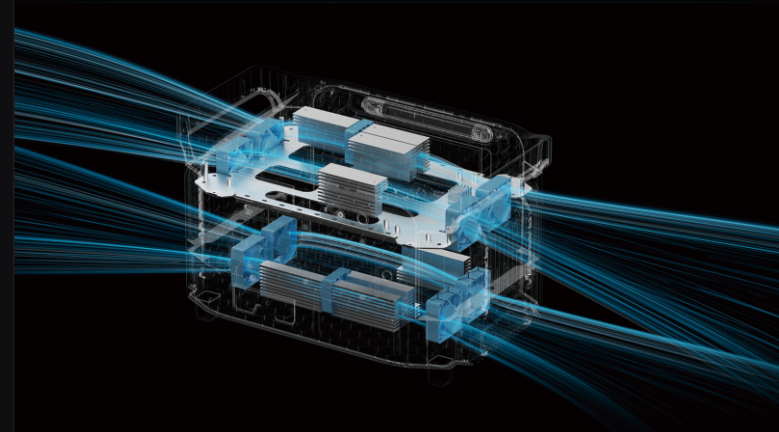
EV-Grade Battery

Engineered with automotive-grade LFP Battery Cells. 3500 plus Cycles to 80% capacity.



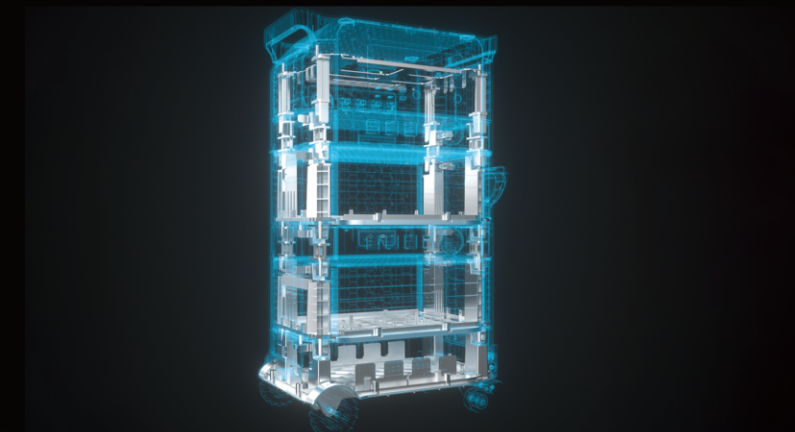
Enhanced Cooling

Equipped with 8 finned aluminum alloy heat sinks and 10 DC brushless axial fans with adaptive speed regulation, providing excellent thermal performance.



Robust Aluminum Alloy Frame

Crafted from a single-piece die-cast aluminum alloy frame, reminiscent of Tesla's bodywork process, ensuring resilience against violent impacts and drops.



5VA: Top-Class Fire Resistance

The shell, crafted from fire-resistant plastic boasting the highest fire rating of 5VA, exhibits exceptional heat resistance and fireproof characteristics.



APPLICATION



Professional Construction



Medical Backup



Outdoor Work



Home Energy Storage



Outdoor Activities



Outdoor Camping

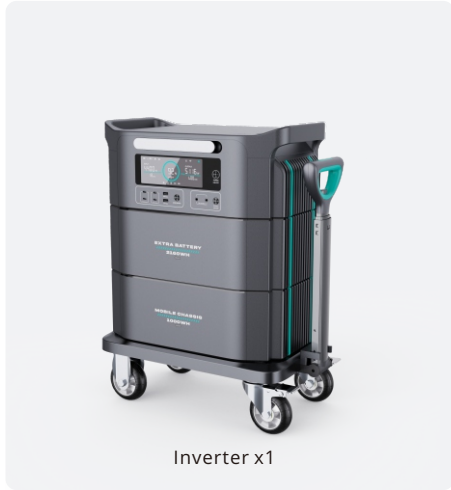
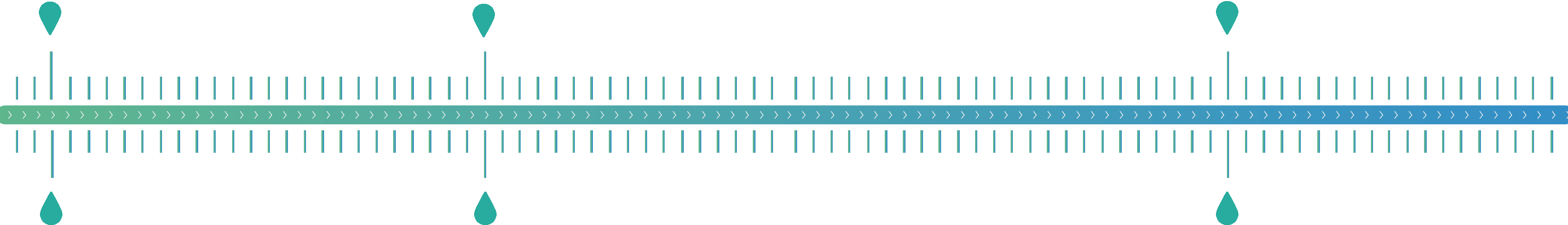
MODULAR POWER STATION



2074Wh

4234Wh

6394Wh



MB2
Main Base

GENERAL:
Weight: 16.8kg
Dimension: 480x300x225.3mm
Capacity: 1037Wh

OUTPUT:
AC (×4), 2200W (Surge 4400W)
220-240V (50Hz/60Hz), 10A Max
USB-A Fast Charging (×2): 5V/2.4A, 9V/2A, 12V/1.5A, 18W Max per port, total 36W
USB-C (×4): 5V/3A,9V/3A,12V/3A,15V/3A, 20V/5A, 100W Max per port, total 200W
Car Charger (×1): 12V 10A, 120W Max
DC5521 Output (×2): 12V 3A, total 36W Max
XT60 Output (×1): 12V 30A, total 360W Max

INPUT:
AC Charging (×1): 220-240V (50Hz/60Hz), 10A Max, 2200W Max
XT60 Charging (Solar): 11-60V 20A Max, 1000W Max

BATTERY:
1037Wh, 48V LFP, 3,500 Cycles to 80% Capacity



AC 200
Extra Inverter

GENERAL:
Weight: 5kg
Dimension: 465x300x103 mm

OUTPUT:
AC (×4), 2200W (Surge 4400W)
220-240V (50Hz/60Hz), 10A Max

INPUT:
AC Charging (×1): 220-240V (50Hz/60Hz), 10A Max, 2200W Max



AC 300
Extra Inverter

GENERAL:
Weight: 6.8kg
Dimension: 465x300x103 mm

OUTPUT:
AC (×4), 3600W (Surge 7200W)
220-240V (50Hz/60Hz), 16A Max

INPUT:
AC Charging (x1): 220-240V (50Hz/60Hz), 10A Max, 2200W Max



Mb3
Main Base

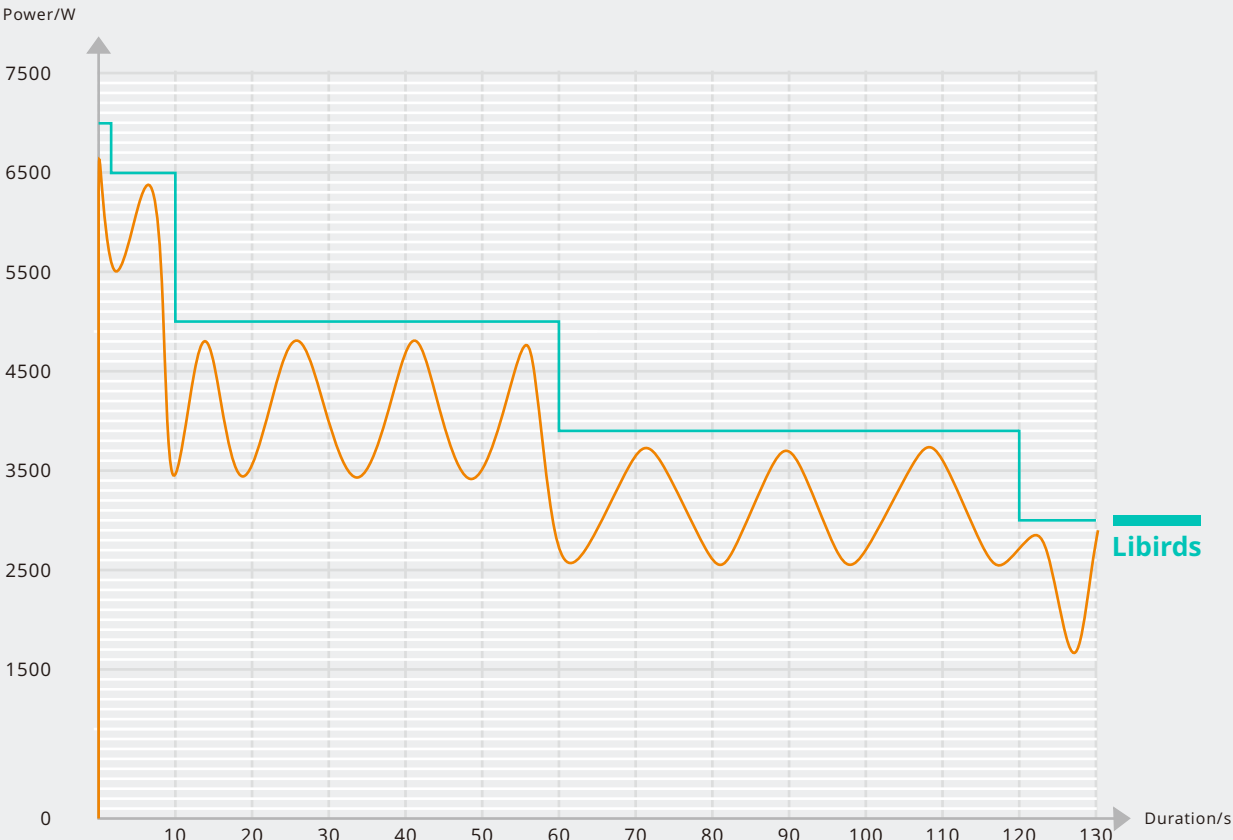
(No battery included)

GENERAL:
Dimension: 480x300x225.3mm

OUTPUT:
AC (×4): 3600W (Surge 7200W), 220-240V(50Hz/60Hz), 16A Max
USB-A (×2): 5V/2.4A, 9V/2A, 12V/1.5A, 18W Max per port, total 36W
USB-C (×2): 5V/3A, 9V/3A,12V/3A,15V/3A, 20V/5A, 100W Max per port, total 100W

INPUT:
AC Charging(×1): 220-240V (50Hz/60Hz), 10A Max, 2,200W Max

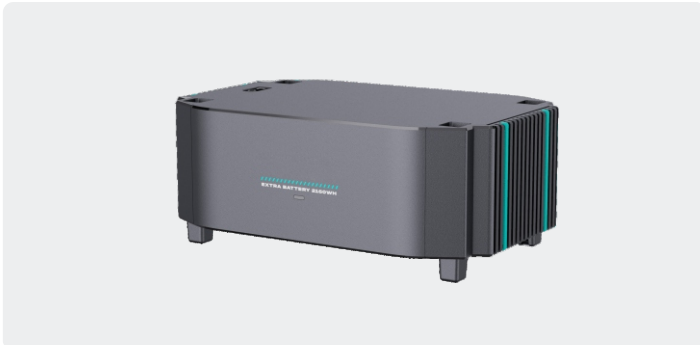
SOLAR CHARGING (Optional):
11-60V 20A Max, 1000W Max



EB 210
Extra Battery

GENERAL:
Weight: 22kg
Dimension: 465x300x186mm
Capacity: 2160Wh

BATTERY:
2160Wh, 48V LFP, 3,500 Cycles to 80% Capacity

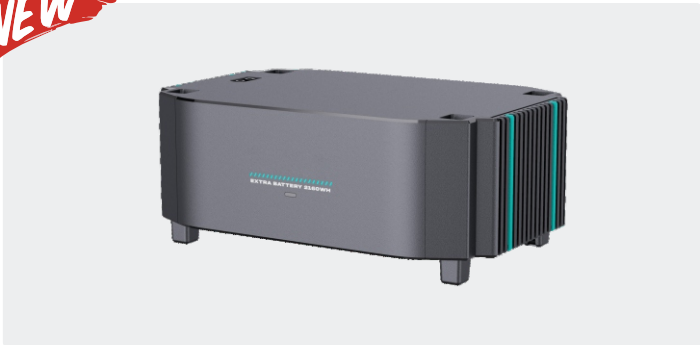


EB 240
Extra Battery

GENERAL:
Dimension: 465x300x186mm
Capacity: 2400Wh

BATTERY:
2400Wh, 48V, LFP 3,500 Cycles to 80% Capacity

NEW



Mobile Battery Chassis

GENERAL:
Weight: 14kg
Dimension: 465x322x180mm
Capacity: 1037Wh

BATTERY:
1037Wh, 48V, LFP 3,500 Cycles to 80% Capacity



Off-Road Mobile Chassis

GENERAL:
Weight: 6.5kg
Dimension: 581x410x192mm

MATERIAL:
Aluminum Alloy & Rubber Wheels



Effortless Assembly

Exclusive patented quick assembly and disassembly architecture ensure easy maneuverability.



Effortless Movement

Featuring four oversized rubber wheels and a suitcase-style telescopic trolley bar, engineered for high load-bearing and capable of traversing rugged terrains with ease.



EnergyCan Module Specifications

	Main Base		Extra Inverter		Extra Battery		Mobile Chassis	
appearance								
								
Product Name	Main Base 2200	Main Base 3600	Extra Inverter 2200	Extra Inverter 3600	Extra Battery 2160WH	Extra Battery 2400WH	Mobile Chassis 1000WH	Off-Road Mobile Chassis
Model Name	H1060	H1062	H1500	H1501	H1620	H1623	H1610	H9505

General Info								
Net Weight	16.9kg	TBD	5.3kg	7.1kg	22.1kg	TBD	13.7kg	6.5kg
Dimension (L × W × H)	480×300×225.3mm	465×300×103mm	465×300×103mm	465×300×103mm	465×300×186mm	465×300×186mm	480×322×180mm	581×410×192mm
Battery Capacity	1037Wh, 48V	N/A	N/A	N/A	2160Wh, 48V	2400Wh, 48V	1037Wh, 48V	N/A

Output Ports								
AC Outlet	EU/US/JP: 2200W	EU: 3600W US: 3300W JP: 3000W	EU/US/JP: 2200W	EU: 3600W US: 3300W JP: 3000W				
USB-A	18W x2, total 36W	18W x2, total 36W						
USB-C	100W x4, total 200W	100W x2, total 100W			N/A	N/A	N/A	N/A
Car Charger (x1)	120W x1	100W x2, total 100W	N/A	N/A				
DC5521 Output (x2)	36W x2, total 36W	N/A						







Input Ports								
AC Charging	EU: 2200W US: 1800W JP: 1500W	EU: 2200W US: 1800W JP: 1500W	EU: 2200W US: 1800W JP: 1500W	EU: 2200W US: 1800W JP: 1500W	N/A	N/A	N/A	N/A
Solar Charging (XT60)	11-60V 20A Max, 1000W Max	11-60V 20A Max, 1000W Max	N/A	N/A				

Battery Info								
Capacity	1037Wh LFP, 48V	N/A	N/A	N/A	2160Wh LFP, 48V	2400Wh LFP, 48V	1037Wh LFP, 48V	N/A
Cell Brand	GBM	N/A	N/A	N/A	GBM	BYD	GBM	N/A

Operating Temperature								
Optimal Operating Temperature	20°C~30°C (68°F ~ 86°F)							
Discharging Temperature	-20°C~45°C (-4°F ~ 113°F) * For use in environments below 0°C, the heating pad accessory is recommended to be purchased separately.							
Charging Temperature	0°C~45°C (32°F ~ 113°F)							
Storage Temperature	0°C~45°C (32°F ~ 113°F)							

EnergyCan Gen 1

Series Specifications

Series Name	A2	A3	A4	A4 Pro	A5	A6	A7
Product appearance							

General Info

Net Weight	31kg	46kg	53kg	58kg	73kg	86kg	101kg
Dimension (L × W × H)	533×343×543mm	545x313x600mm	533×343×543mm	533×343×605mm	545x313x743mm	533×343×834mm	545x313×970mm

Output Ports

AC Outlet (Pure sine wave)	2200W	4400W	6600W
USB-A (×2)	5V/2.4A, 9V/2A, 12V/1.5A, 18W Max per port, total 36W		
USB-C (×4)	5V/3A,9V/3A,12V/3A,15V/3A 20V/5A, 100W Max per port, total 200W		
Car Charger (x1)	12V 10A, 120W Max		
DC5521 Output (×2)	12V 3A, total 36W Max		

Input Ports

AC Charging	EU: 2200W US: 1800W JP: 1500W	EU: 4400W US: 3600W JP: 3000W	EU: 6600W US: 5400W JP: 4500W
XT60 Charging	Solar: 11-60V 20A Max, 1000W Max		

Battery Info

Battery Capacity	2074Wh	3197Wh	4234Wh	4234Wh	5357Wh	6394Wh	7517Wh
Cell Chemistry	LFP						
Cycle Life	3,500 cycles to 80% capacity						

Operating Temperature

Optimal Operating Temperature	20°C~30°C (68°F ~ 86°F)
Discharging Temperature	-20°C~45°C (-4°F ~ 113°F) * For use in environments below 0°C, the heating pad accessory is recommended to be purchased separately.
Charging Temperature	0°C~45°C (32°F ~ 113°F)
Storage Temperature	0°C~45°C (32°F ~ 113°F)

EnergyCan Gen 2

Series Specifications

Series Name	2400	4800	7200	7200 Pro	9600	9600 Pro	9600 Ultra
Product appearance							

General Info

Dimension (L × W × H)	545x313x600mm	545x313x670mm	545x313x825mm	545x313x897mm	545x313x980mm	545x313x1052mm	545x313x1124mm
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Output Ports

AC Outlet (Pure sine wave)	EU: 3600W	US: 3300W	JP: 3000W	EU: 7200W US: 6600W JP: 6000W	EU: 3600W US: 3300W JP: 3000W	EU: 7200W US: 6600W JP: 6000W	EU: 10800W US: 9900W JP: 9000W
USB-A (×2)	18W per port, total 36W						
USB-C (×2)	100W per port, total 100W						

Input Ports

AC Charging	EU: 2200W US: 1800W JP: 1500W	EU: 4400W US: 3600W JP: 3000W	EU: 2200W US: 1800W JP: 1500W	EU: 4400W US: 3600W JP: 3000W	EU: 6600W US: 5400W JP: 4500W
XT60 Charging	Solar: 11-60V 20A Max, 1000W Max				

Battery Info

Battery Capacity	2400Wh	4800Wh	7200Wh	7200Wh	9600Wh	9600Wh	9600Wh
Cell Chemistry&Brand	LFP (BYD Brand)						
Cycle Life	3,500 cycles to 80% capacity						

Operating Temperature

Optimal Operating Temperature	20°C~30°C (68°F ~ 86°F)
Discharging Temperature	-20°C~45°C (-4°F ~ 113°F) * For use in environments below 0°C, the heating pad accessory is recommended to be purchased separately.
Charging Temperature	0°C~45°C (32°F ~ 113°F)
Storage Temperature	0°C~45°C (32°F ~ 113°F)

Industry-leading Performance

⬆
400W
Max Output

🔋
23%
High-Efficiency

⚡
10%
Larger Cells

🏠
A+ Grade
Advanced Monocrystalline



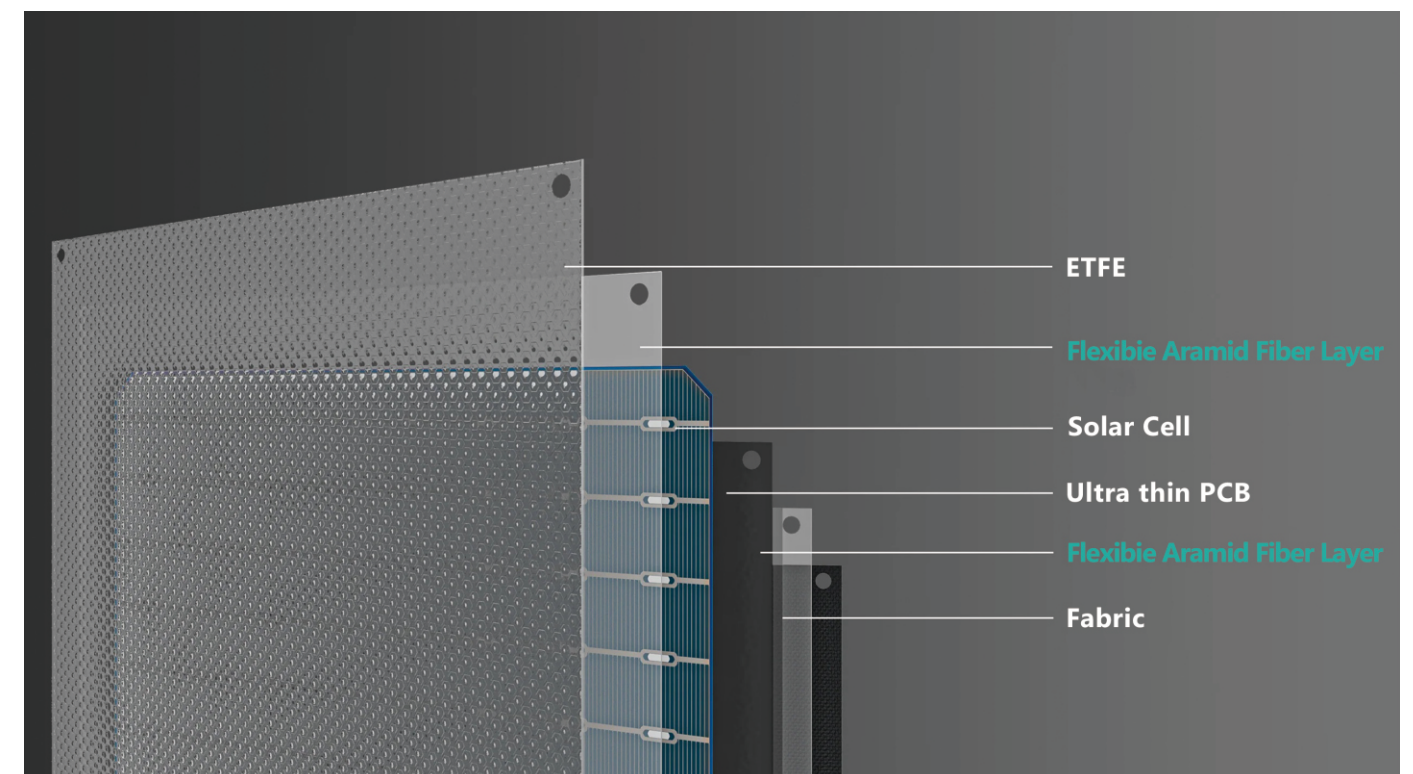
🔌 Widely Compatibility

⬆ 400W Max Output

🛡️ 1-Year Warranty

All-New Revolutionary Durability Solar Panels

Librids builds update revolutionary solar panels with breakthrough aramid fiber (most used in body armor) and housed in robust structure. Aramid fiber protects the solar cells from microcracking, even when violently bent to 250°. Making these solar panels ultra durable, super flexible and more scratch-resistant than other conventional solar panels.

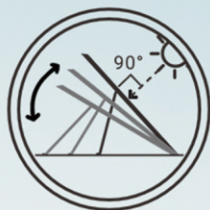




100%
High Quality Metal



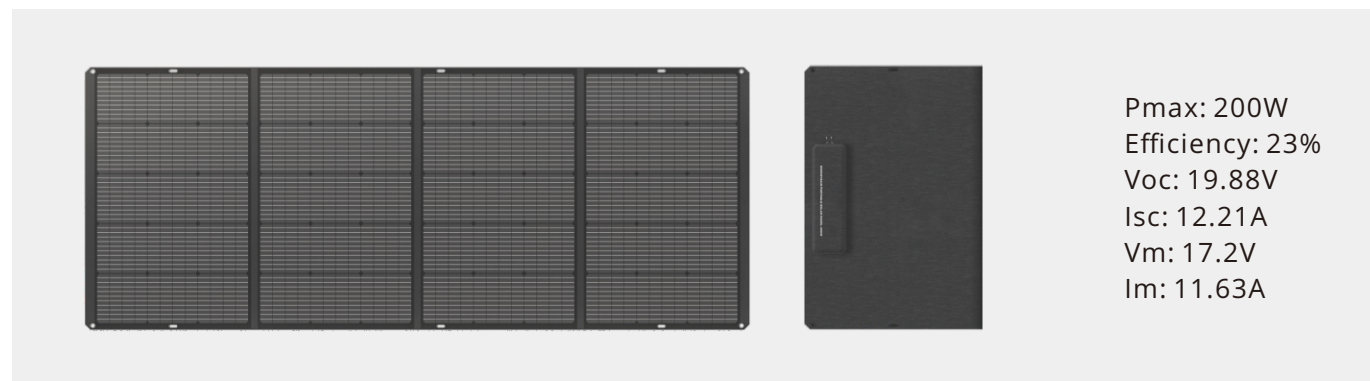
Detachable
Design



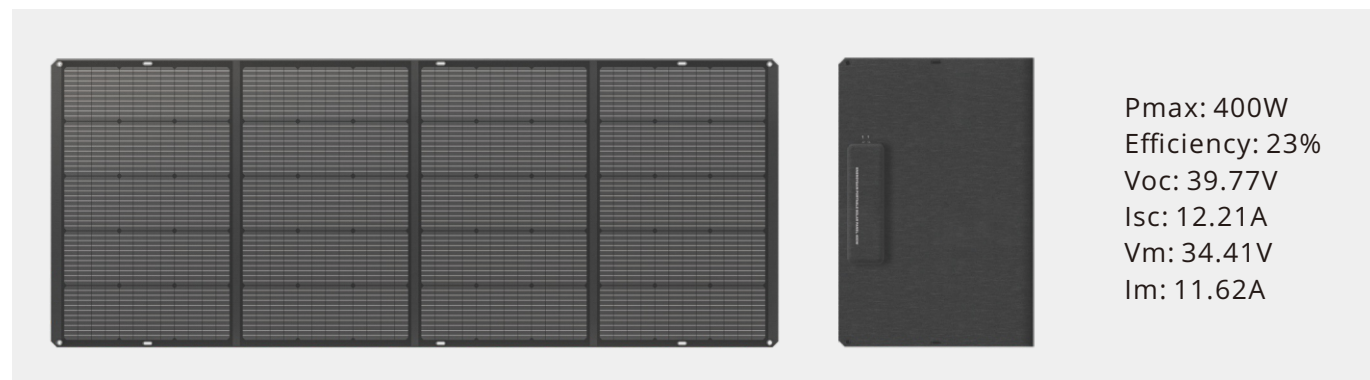
Adjustable Angles
(35°/45°/55°)



Pmax: 100W
Efficiency: 23%
Voc: 20.1V
Isc: 6.15A
Vm: 17.1V
Im: 5.85A



Pmax: 200W
Efficiency: 23%
Voc: 19.88V
Isc: 12.21A
Vm: 17.2V
Im: 11.63A



Pmax: 400W
Efficiency: 23%
Voc: 39.77V
Isc: 12.21A
Vm: 34.41V
Im: 11.62A

