



# POWERLIBRA

Professional intelligent portable power brand

[www.powerlibra.com](http://www.powerlibra.com)



## Brand Introduction

**Mountain** founded in 2011, focuses on intelligent mobile energy storage products.

The company has more than ten years of experience in lithium ion battery application, has the full chain service ability from product development to production and sales.

**Mountain** is committed to providing clean, safe and convenient mobile energy storage products, to meet off-grid emergency, outdoor electricity needs.



## Product Description



POWERLIBRA 800

- 800Wh High Capacity, Long Endurance
- Power up to 10 Devices Simultaneously
- High Quality Li-ion Cells Inside
- Waterproof, spill-resistant
- 12V/10A Carport Output

### Three charging options:



**AC Outlet**  
Around 12Hrs



**Solar Panel**  
Around 18Hrs  
(Weather dependent)



**Car Port**  
Around 12Hrs



POWERLIBRA 800



USB 2.0

X2



USB 3.0

X2



TYPE-C

X2



CAR PORT

X1



AC PORT

X2



WIRELESS

X1

### Applications:



150W  
Electric Blanket  
4+ times



600W  
Electric Drill  
1+ Hours



60Wh  
Drone  
10+ times



50W  
FAN  
12+Hours



110W  
Television(50")  
5+ Hours



800W  
Induction Cooker  
0.5-1 Hours

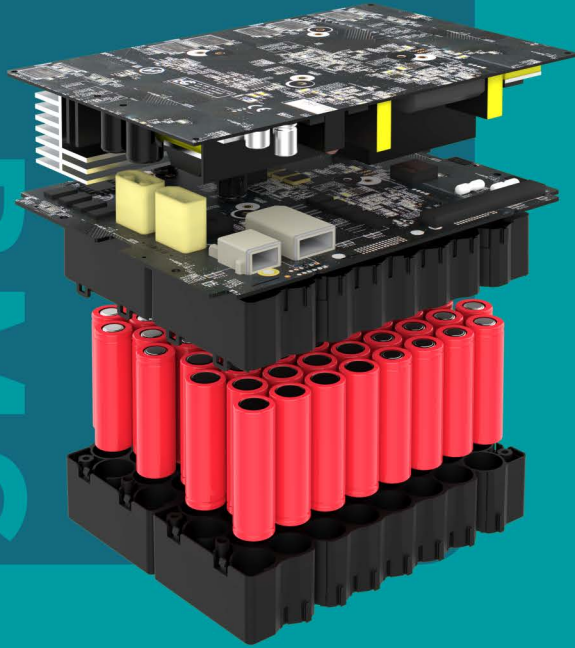


40W  
CPAP  
16+ Hours



100W  
Projector  
6+Hours

RMS



## Automotive-use Power Li-ion Batteries

High quality, low heat, high discharge efficiency,  
long cycle life.

## Battery Management System

Regulates all the lithium-ion batteries in POWERLIBRA,  
and monitor its health individually using AI algorithms



Temperature  
Protection



Overcharging &  
Overdischarging  
Protection



Overcurrent  
Protection



Overload  
Protection



Short Circuit  
Protection

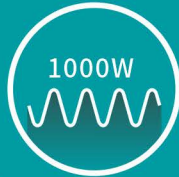


Overvoltage  
Protection

## Product Features



1000W/100V  
AC Output



Pure Sine-wave  
Output



Wireless Fast  
Charging



PD Two-way  
Fast Charging



LCD  
Display



Multiple  
Protection



Intelligent  
Multi-port Output



Large  
Capacity

## Application Scenarios



Family  
Emergency



Outdoor  
Operations



Offshore  
Angling



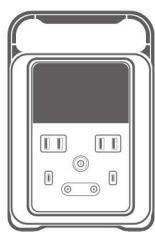
Picnic and  
Camping

## Performance Parameter

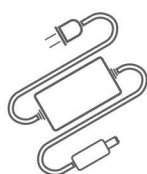
MODEL		POWERLIBRA 800
BASIC INFORMATION	Dimension	265*255*170 mm
	Weight	7.5Kg
	Operating Temperature	Charge: 0~45°C
		Discharge: -20~60°C
	Long Duration Storage	-20~+20°C, <70%RH (Within one year)
PARAMETERS	Battery Type	18650 Li-ion Cell
	Capacity	800Wh, 220800mAh@3.6V
	Lifecycles	≥500 cycles
	Shelf-life	1 year (after fully charged)
INPUTS (CHARGE)	DC (8mm)(X2)	10~20V, Max100W total power input
	Type-C(X2)	Max20V,60W per port
	Solar Panel(Optional Accessory)	100W (Ideal weather)
OUTPUTS	AC (X2)	100V,60Hz,pure sine wave, total power output 1000W ,surge 2000W
	USB-A (X2)	DC 5V/2.4A, 12W per port
	USB-A QC3.0 (X2)	DC 5V-6.5V/3A;6.5V-9V/2A;9V-12V/1.5A;Max 28W per port
	Type-C (X2)	DC 5V/3A;9V/3A;12V/3A;15V/3A;20V/3A;Max 60W per port
	Carport Output	12V/10A, Max120W
	Wireless Output	Qi Standard,Max 10W
OTHER	Certification	PSE;FCC;ROHS;CE;UL;UN38.3 (Depends on the requirements of each sales area)

※As the products are constantly upgraded, the above parameters are for reference only.  
The detail parameters in products are subject to the corresponding user manual.

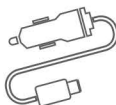
## Package Contains



POWERLIBRA 800



AC Adaptor



Car Charger Cable



User Manual



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