Camp light. Backup light.

BLUETTI Premium 100 V2 Portable Power Station

Premium Series

1,024Wh | 2,000W

Camp light. Backup light.

Powered by advanced UltraCell™ technology, the Premium 100 V2 perfectly blends top-tier portability with high-performance output in the 1kWh category—whether you're heading out for camping or prepping for a short-term power outage at home, this compact powerhouse has you covered.

Lightweight (11.5kg)	Fastest Charging to 80% (45 Min)	PV Input (1,000W)	Lifting Power (2,700W)	Multiple Charging Ways (5 Ways)
LFP Battery Charge Cycle (4,000+)	Quiet Operation (30 dB)	UPS Switching Time (≤ 10ms)	Smart Control (App)	Warranty (5-Year)

Portable Refrigerator (0.6k Wh/Day)	Laptop (60Wh)	Coffee Maker (200W)	TV (85W)	Refrigerator (1k Wh/Day)	Electric Griddle (500W)	Cabin Light (10W)	Mini Speaker (15W)	Fan (40W)
33.2 Hours	12.6 Times	4 Hours	8.9 Hours	19.9 Hours	1.6 Hours	51.8 Hours	39.5 Hours	18 Hours

Why Choose BLUETTI Premium 100 V2

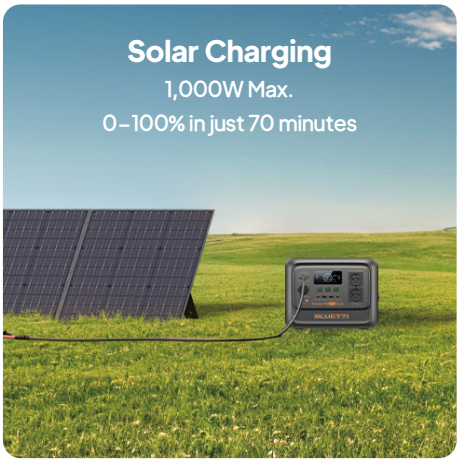
1 Device. 9 Ports.

With 9 versatile ports and a continuous 1,800W output, the Premium 100 V2 powers nearly all your essentials. Activate the Power Lifting Mode via the BLUETTI app, it can handle up to 2,700W pure resistive devices like ovens kettles, or even welders.Featuring groundbreaking HyperVolt™ technology, you get an industry-leading 3,600W surge power—enough to start energy-intensive appliances effortlessly.

2 x AC Outlets (1800W Max.)	2 x USB-A (15W)	1 x USB-C (100W)	1 x USB-C (140W)	2 x 5521 (60W)	1 x Car Port (120W)

Fast Charging

Powered by TurboBoost™ fast-charging tech, the Premium 100 V2 charges to 80% in just 45 minutes with 1,200W AC fast charging, fully charges in 70 minutes with 1,000W solar input, or achieves 6X faster car charging than standard chargers—keeping your power flowing without worry wherever you need.



Compact and Lightweight

Weighing 11.5kg with a compact 17L design and a sleek hidden handle, the Premium 100 V2 sets a new benchmark in grab-and-go portability. It's a perfect companion for camping, road trips, or emergency power needs at home.

10 Years of Reliable Performance

Equipped with advanced $LiFePO_4$ battery cells, the Premium 100 V2 offers up to 4,000 charge cycles while ensuring safe and stable operation—even in harsh environments.

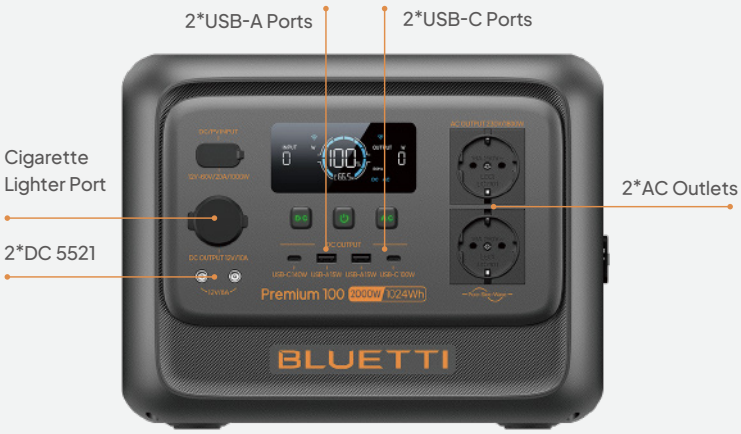
30dB Quiet Opearation

Premium 100 V2 operates at just 30dB(under 600W) — quieter than a whisper or a library. With no loud humming or disruptions, it keeps your essentials running through the night without disturbing your rest.

10ms UPS Switchover Time

In the event of a power outage, the UPS kicks in within 10ms, ensuring sensitive electronics like medical devices, servers, and payment systems keep running without interruption.

Overview



AC Charging Cable (59.05in / 1.5m)

Grounding Screw (M5*10)

Documentation

General

Model	Premium 100 V2
Battery Capacity	1,024Wh (20Ah)
Battery Type	$LiFePO_4$
Life Cycles	4,000+ Cycles to 80% Original Capacity
Management System	MPPT Controller，BMS，etc.
Charging Temperature	0°C to 40°C (32°F to 104°F)
Discharging Temperature	-20°C to 40°C (-4°F to 104°F)
Connectivity	WiFi & Bluetooth
UPS Switching Time	≤10ms
Weight	11.5kg (25lbs)
Dimensions (L×W×H)	320×215×250mm (12.6×8.5×9.8in)

Input

AC Input (Charging+Bypass)	2,300W Max.
AC Charging	1,200W Max.
Voltage	230VAC
Max. Current	5.2A
DC Input	1,000W Max., 12V-60V, 20A Max.
AC+DC Charging	1,200W Max.
AC Charging Time	45min to 80%,70min to 100%
Solor Charging Time	70min to 100%
Charging Options	AC / PV / Car / Generator / AC+PV

Output

AC+DC Output	2,000W Max.
AC Output	1,800W Max.
Voltage	230VAC
Current	7.8A
Total Outlets	9
AC Outlets	2
DC Outlets	7
DC Output	Cigarette Lighter Port 12V/10A
	2×DC5521 Port 12V/5A per port,total 8A Max
	2×USB-A 15W Max. 5V/3A per port
	1×100W USB-C 5V/3A,9V/3A,12V/3A,15V/3A,20V/5A
	1×140W USB-C 5V/3A,9V/3A,15V/3A,20V/5A,28V/5A
Surge Power	3,600W
Power lifting Mode	2,700W

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