

Jackery
Solar Generator

Explorer 500 v2 Power Station

6000 Cycles Power, Always Ready.



Sustainable Power for Your Life



Explorer 500 v2 Power Station

The original Jackery Explorer 500 marked a major milestone for Jackery – as one of the first Jackery portable power stations introduced in Europe, it quickly became a global best-seller and the starting point for many users' journey with Jackery.

Now, we're proud to launch the Explorer 500 v2, a powerful upgrade of this iconic model. With improved performance, longer battery life, a refined design, and enhanced reliability, the Explorer 500 v2 is built to meet the evolving needs of today's outdoor enthusiasts and everyday users – from camping, van life, and road trips to outdoor photography and home office backup.



Explorer 500 v2

The legend returns—
Introducing the all new Explorer
500 v2



Powering Strong. Lasting Long.

Equipped with a 512Wh capacity, 500W rated output, and 1,000W peak output, the Explorer 500 v2 delivers stable and dependable power for essential gear and small appliances.

512Wh

Pairs perfectly with the Jackery SolarSaga 100W solar panel, covering the power needs of overnight camping, road trips, landscape photography, and short-term home office backup.



Features an upgraded LFP (LiFePO₄) battery with 6,000 charge cycles to 70% capacity — significantly exceeding market standards for long-term performance and durability.



Built with Jackery's exclusive ultra-low self-discharge technology — when fully charged and stored, power loss remains under 5% after six months, ensuring it's always ready when you need it.



Charging Fast. Charging Quiet.

Multiple versatile ports

1x USB-A, 2x USB-C (PD 100W & 30W), and 2x AC outlets for charging a wide range of devices simultaneously.



Fast charging speeds

Fully charged in 80 minutes via AC (0-80%, 52mins), 60 minutes with combined AC + DC hybrid charging, and 200 minutes with solar panels — approximately **7.5 times faster than the original Explorer 500**.



Ultra-quiet operation

Charging noise stays below **28dB at 200W load** for device charging, and below **36dB when charging the battery via mains power**, allowing users to enjoy peaceful sleep during nighttime camping or power outages.



Built Light. Built Right.

The lightest and most compact 500Wh LFP power station in its class

Following the same sleek, efficient design language as the rest of Jackery's v2 series. Built with Tesla-inspired CTB (Cell-to-Body) technology, it integrates battery cells directly into the chassis for a sturdier, tighter structure. This innovation delivers enhanced durability, better heat dissipation, and increased portability.



The result: 27% smaller than the industry standard without compromising strength.



Foldable handle

For effortless carrying and easy storage on the go.



Protected Power. Trusted Anywhere.

Seamless backup with UPS $\leq 10\text{ms}$

Ensures uninterrupted power for essential devices like fridges, CPAP machines, computers, or NAS storage during outages.

Built-in surge protection up to 3,000V

Jackery's advanced protection guards against lightning strikes and voltage fluctuations from multi-device usage, delivering up to 1,000 joules of surge energy for safer use.

AI-powered ChargeShield 2.0™

62 protection mechanisms, including 12-layer BMS algorithms and 4 levels of physical protection, offering full-spectrum safety for worry-free charging.

Fire-resistant and shockproof design

The exterior meets UL94V-0 fireproof standard, making it tough and reliable for outdoor exploration.

All-weather performance

reliably charges and discharges from -20°C to 45°C , built to perform in freezing cold or extreme heat for dependable outdoor power in any condition.



Specs Sheet

Explorer 500 v2

Battery capacity

512 Wh

Cell Chemistry

LFP (LiFePO4 battery)

6000 Cycles \geq 70 %



Multiple Ports

USB-A

1X 18W

Car Output

120W Max

USB-C

100 W Max, 30 W Max

AC Input

550W Max (25 °C)

0-80%, 52 mins

AC Output

500 W, 1000 W Peak

DC Input

200W Max

200 mins paired with a SolarSaga 200



Power on the Go

Size : 31 × 20.5 × 15.6 cm

Weight : 5.7kg



LED Light
Light & SOS two modes

EPS/UPS
 \leq 10 ms, Surge protection(3 kV)

Warranty
3+2 Years

**Foldable Handle
Easy to Go**





Thank You