

Solar Generator 2000 Plus Product Presentation





Jackery Plus Series

Embrace Excellence, Lead the Way

Founded in 2012 in California, USA, Jackery was born with a vision to offer green energy to everyone, everywhere. Having introduced solar generators to the great outdoors, Jackery fulfills the power needs of every nature-lover, inspiring them to explore further and seek more extraordinary experiences than before. We encourage our global adventurers to enjoy the outdoors sustainably, working together to protect our planet and build a better future.

After the success of SG 1500Pro and 3000 Pro this year, as the pioneer of solar generators, Jackery is proud to announce the launch of "Plus series" solar generators based on LiFeO₄ battery, the most versatile solar generator ever created.



Solar charge independence

Industry's first solution allowing the extra battery to be independently solar-charged, just like the main engine.

Supports simultaneous charging of 6 solar panels

Leading in the 2kWh product segment

First with up to 3kW voltage capacity and expandable to 12kWh, surpassing competitors

Industry-leading advancements

Solar charging

IBC tech, industry's most advanced

Battery life

Revolutionary LiFePO₄ cell + healthy charge mode significantly improves lifespan, setting new industry standards.

Fast charging

industry-leading charging speed

Environmental protection

SGS environmental protection certification, industry-leading level

Ultra-quiet

Quiet mode, up to 30Db, industry-leading technology

Key Features

Rapid solar charging, 12kWh fully charged in 2 Hours

Rapid charging

Wall / Solar Charging in just 2 Hours

Enhanced solar charging

Connect up to 6*200W solar panels per expandable battery

Industry-leading conversion efficiency

Experience up to 25% solar conversion efficiency

Reliable performance

Superior performance in hot temperatures and cloudy days

Solar priority charging strategy

Prioritizes solar charging, maximizing the utilization of renewable energy sources.

Powerful and versatile

Off-grid freedom

2kWh to 12kWh capacity, liberating off-grid living.

Effortless portability

Pull rod + double wheels design for easy transport.

Smart app control at fingertips

- i. Wi-Fi / bluetooth connection
- ii. Real-time status monitoring
- iii. Battery saving mode
- iv. Quiet charging mode

Unleash power, speed, and serenity

Powerful versatility

Achieve a 3000W output, providing power for a wide range of devices including RVs and air conditioners.

Rapid wall charging

Experience fast charging with just 100 minutes required to reach 80% battery level.

Whisper-quiet operation

Enjoy a peaceful environment with noise levels as low as 30dB.

Elevate performance, ensure Safety

Charge shield technology

Enhance battery life by 50%

Durable LiFePO4 battery

Lasts for 10 years

Quiet cooling system

30% improved heat dissipation efficiency

Advanced safety features

Industry-leading anti-radiation, shock resistance, and fire retardant properties



Maximize your energy

Expandable battery capacity

Unleash the full potential of your power station with Jackery's capacity expansion technology. Easily add up to 5 battery packs to your Explorer 2000 Plus, expanding its power from 2kWh to 12kWh. Perfect for road trips, outdoor adventures, or home emergencies.

High power, maximum versatility

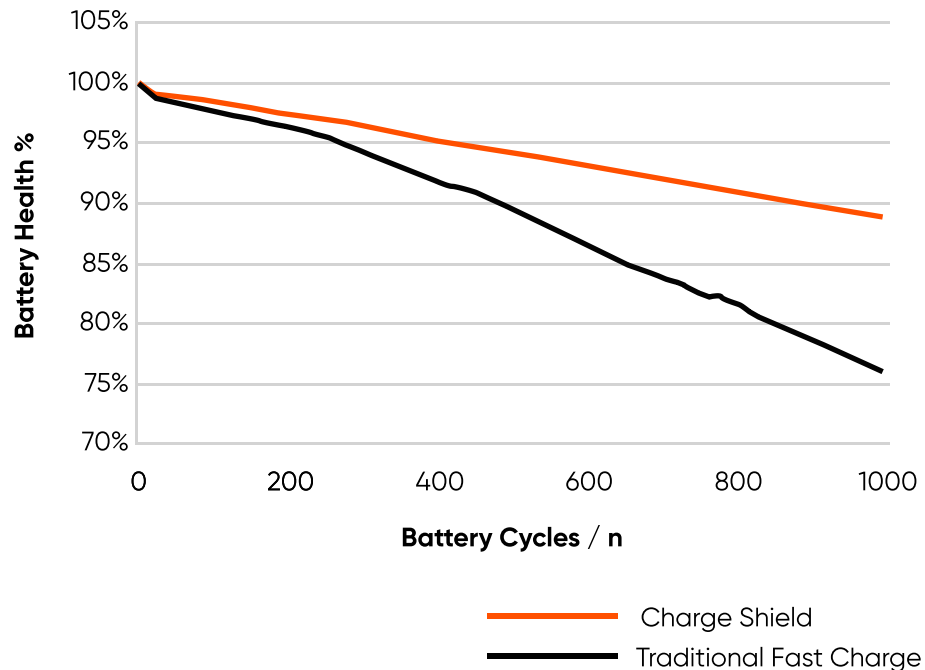
3000W high power output

With a maximum output of 3000W, our cutting-edge technology boosts rated power by 30% compared to standard 2kWh power products. Power any essential device with confidence and convenience.

Charge shield

Power unleashed, safely charged

- Jackery's industry-leading fast charge technology.
- Unique variable-speed charging algorithm enhances safety, increasing battery pack lifespan by 50%.
- Fully charges power station in about 5.5 hrs, even at high temperature 45°C
- Balances speed and safety for a comprehensive charging experience.
- It provides 62 protective mechanisms, 12 protective algorithms and 4 physical safety protection.



Portable and hands-free mobility

Experience effortless travel with the pull rod and double wheels design.

The aluminum alloy pull rod, with a non-slip silicone strip, offers easy maneuverability and convenient storage. Move with ease, thanks to the vacuum rubber wheels.

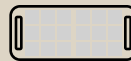


Top-notch consumer-level solar cells technology

IBC (Interdigitated Back-Contact) solar cell

Solar panels without IBC have front and back contacts on the same side, leading to shading losses and lower efficiency.

In contrast, IBC technology minimizes shading and resistance, efficiently converting sunlight into electricity. The interdigitated design enhances light trapping and improves energy conversion.



Aesthetic design

No metallization on the front side, maximum absorption of light



High reliability

N-type solar cell, minimal power degradation



High efficiency

Industry-Leading Solar Conversion Efficiency up to 25%



Excellent temperature coefficient

Better temperature coefficient $-0.29\%/^{\circ}\text{C}$, outperforms Industry Solar Panels at high or low temperature



High compatibility

Better spectral response, leading power generation under low light conditions



High security

Low reverse breakdown current, evenly distributed PN junction, and lower temperature bring high security when shadowed

LFP battery

Safer & cost-effective & longer life

PROs

- **Cost-effective**

Cobalt-free, cost-effective with easily accessible raw materials.

- **High temperature resistance**

High temperature resistant with thermal runaway at 800°C, ensuring excellent safety.

- **Long cycle life**

Long-lasting battery with cycle life exceeding 3500 times, some reaching 5000 times.

CONs

- **Limited low temperature performance**

At -20°C, 55% efficiency reduction.

- **Suboptimal energy density**

With a maximum capacity of only 150Wh/kg, the battery's size and weight tend to be relatively larger.

NCM battery

Portable & low-temperature performance

PROs

- **Optimal low temperature performance**

Battery heats up to 70% even at -20°C.

- **High energy density**

The energy density exceeds 200Wh per kg, it offers a streamlined solution, minimizing volume and weight.

- **Rapid charging speed**

The battery boasts a swift charging capability, ensuring quick and efficient recharging.

CONs

- **High material cost**

Contains precious metals like cobalt

- **Temperature sensitivity**

Thermal runaway at around 200°C

- **Limited cycle life**

Approximately 2500 cycles

Jackery's commitment remains unchanged: Providing users with more and better product choices, without any need for a complete rolling and replacement relationship between LFP and NCM batteries



Thank You

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