



# 5kW Mobile Outdoor Power Supply: Your Ultimate Off-Grid Energy Solution

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Imagine powering an entire campsite while streaming your favorite playlist that's the reality modern \*5kW mobile outdoor power supplies\* deliver. These portable energy hubs have become essential for:

Outdoor event organizers needing reliable stage power

Construction teams operating heavy-duty tools remotely

Disaster response units requiring emergency power backup

RV owners seeking off-grid living solutions

"The global portable power station market is projected to grow at 8.7% CAGR through 2028" Allied Market Research

### Technical Specifications Breakdown

Feature Specification Peak Output 5000W Battery Capacity 4.8kWh LiFePO4 Recharge Time 2.5 hrs (AC + Solar Combo) Output Ports 6 AC + 4 USB + 2 DC

Last summer, a film crew in Yellowstone National Park used our \*5kW portable solar generator\* to:

Simultaneously operate 3 cameras and drone charging stations

Power a mobile editing workstation for 12 hours daily

Maintain critical communication equipment

### Industry Trends You Can't Ignore

The shift toward hybrid systems combines solar charging with traditional AC inputs like having both solar panels and a gas generator, but without the noise or fumes. EK SOLAR's latest models feature:



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Smart load prioritization during power surges

Bluetooth-enabled battery monitoring

Daisy-chain capability for capacity expansion

Pro Tip: Look for IP54-rated units if operating in rainy conditions they handle weather better than your average smartphone!

With over 15,000 units deployed across 38 countries, our \*mobile power stations\* stand out through:

Military-grade shock resistance testing

5-year comprehensive warranty coverage

Custom voltage configurations (110V/220V selectable)

Need help choosing the right configuration? Our energy experts are available via:

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**WhatsApp: +86 138 1658 3346 Email: [ekomedsolar@gmail.com](mailto:ekomedsolar@gmail.com)**

## Can it power a 2-ton AC unit?

Yes, but runtime depends on the unit's energy consumption. Most 24,000 BTU units run 3-5 hours per full charge.

## What's the battery lifespan?

Our LiFePO4 batteries maintain 80% capacity after 3,500 cycles that's 10 years of daily use!

As battery tech advances, we're seeing 30% smaller units deliver the same power as last-gen models. The next breakthrough? Instant-swap battery modules that let you hot-swap packs without downtime.

Ready to upgrade your mobile power game? Drop us a line let's discuss your specific energy needs.



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For more information or to discuss your inverter and power system needs:

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