



Flexx 100 Solar Battery: Energy Independence Made Simple

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Are Rising Energy Costs Draining Your Budget?

In 2023, households across Germany saw a 22% increase in electricity prices. Many homeowners now ask: "How can we store solar energy effectively during blackouts?" The Flexx 100 Solar Battery answers this challenge with cutting-edge lithium iron phosphate (LiFePO₄) technology. Designed for residential use, this system enables 24/7 renewable energy access even when grids fail.

Why Traditional Solar Systems Fall Short

Standard solar setups waste 40-60% of generated power due to inefficient storage. The Flexx 100 achieves 95% round-trip efficiency - storing 10kWh usable capacity in a compact 110-lb unit. Its modular design allows capacity expansion from 5kW to 30kW, adapting to homes from Tokyo's apartments to Texas ranch-style houses.

Three Innovations Redefining Solar Storage

SmartLoad Technology: Prioritizes critical appliances during outages

Hybrid Inverter Compatibility: Works with SMA, Fronius, and SolarEdge systems

ThermalGuard: Maintains peak performance from -4°F to 122°F

Case Study: Sydney Family Cuts Bills by 40%

After installing the Flexx 100 solar battery, the Harrisons reduced grid dependence from 80% to 35% within 8 months. Their system generated 62% cost savings during peak rate periods - a tangible benefit of Time-of-Use optimization.

"We've eliminated midnight worries about blackouts." - Sarah Harrison, Sydney homeowner

Beyond Basic Backup: The Storage Revolution

While competitors focus on emergency power, the Flexx Energy Storage System enables true energy independence. Its AI-driven EcoMode predicts weather patterns and consumption habits, automatically switching between solar/grid/battery power. Imagine charging your EV overnight using midday sunlight - that's the flexibility this system delivers.

Installation Made Simpler Than Ever

The UL-certified system requires 60% less installation space than lead-acid alternatives. Certified technicians complete wall-mounted setups in 4-6 hours. Regional incentives like California's SGIP program further reduce upfront costs by up to \$3,000.



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Flexx 100 vs. Conventional Batteries

Unlike dated nickel-based systems, this solution offers:

- o 8,000+ charge cycles (vs. 3,000 in standard lithium batteries)
- o 10-year full-performance warranty
- o Silent operation at

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