

# Powerhouse Two Aims to Expands Its Renewable Energy Battery Pack Portfolio

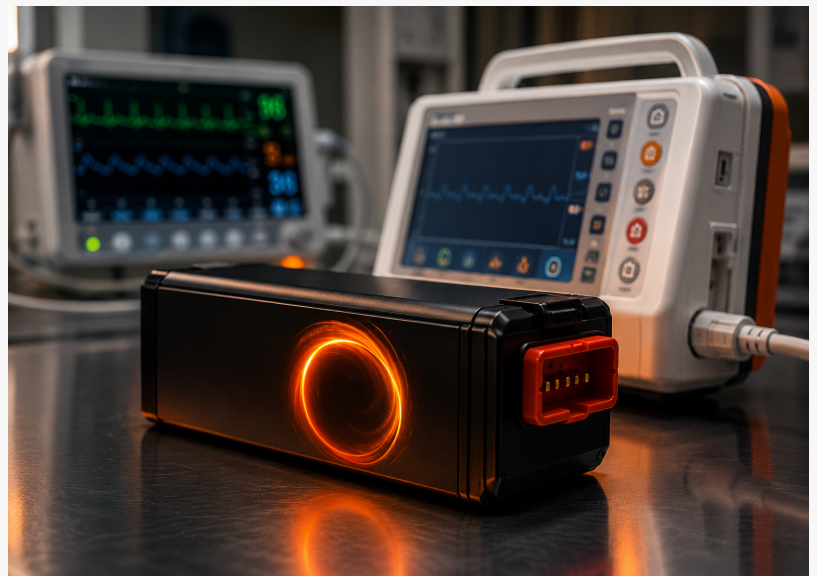
*Powerhouse Two expands its renewable energy battery pack portfolio, boosting clean energy storage solutions to meet growing demand across markets.*

WINTER GARDEN, FL, UNITED STATES, August 10, 2026 /EINPresswire.com/ -- Powerhouse Two Inc., a veteran-owned battery manufacturer and power solutions provider based in Winter Garden, Florida, announced today an expanded portfolio of [renewable energy battery pack solutions](#) designed to serve the growing commercial and industrial energy storage market. The expansion reflects both the company's technical development investments over the past several years and the accelerating commercial demand for reliable, high-performance energy storage across a wide range of applications.

Powerhouse Two has been a recognized supplier of factory-direct battery solutions since 2002. The company's product portfolio spans custom alkaline battery packs, the proprietary Power XP<sup>2</sup> alkaline cell line, lithium batteries across multiple sub-chemistries, and AC/DC power supplies and chargers. The expanded renewable energy battery pack offering adds a structured solution set for commercial buyers integrating battery storage into solar, wind, and grid-backup power applications.



renewable energy battery pack



battery for medical device

According to the U.S. Energy Information Administration, utility-scale battery storage capacity in the United States has increased by more than 400 percent over the past five years, with commercial and industrial deployments representing the fastest-growing segment of new installations. Powerhouse Two's expanded portfolio is positioned to serve commercial buyers who require custom-configured energy storage packs with the chemistry depth and engineering support to match their specific installation requirements.

The company's lithium battery design and development team will spearhead the renewable energy pack effort, drawing on established engineering capabilities in lithium iron phosphate, lithium-ion, and lithium polymer chemistries. Lithium iron phosphate is the chemistry of choice for the majority of the new portfolio, given its exceptional cycle life - typically 2,000 to 5,000 charge cycles - and the thermal stability that makes it appropriate for outdoor and semi-outdoor installations in commercial energy storage contexts.

As part of the announcement, Powerhouse Two's engineering leadership highlighted the company's commitment to providing a genuine alternative to what they describe as the reverse engineer battery product approach common in the commercial energy storage market. Rather than working backward from a commodity cell to build a pack that approximates the specifications of an established competitor's product, Powerhouse Two's development process starts with the application requirements and selects chemistry and configuration to match. This approach, the company notes, consistently produces packs with better long-term performance characteristics than reverse-engineered alternatives because the design is optimized for the actual load profile of the deployment rather than for specification sheet similarity.

[XP2 superior performance alkaline chemistry](#), already established through the Power XP<sup>2</sup> cell



XP2 superior performance alkaline.



Reverse engineer battery product

line, has informed the engineering philosophy applied to the renewable energy pack portfolio. The same commitment to consistent discharge curves, high-quality internal components, and independent performance validation that defines the Power XP<sup>2</sup> alkaline family is embedded in the renewable energy pack development process. Commercial buyers evaluating energy storage solutions can expect the same documentation transparency and performance backing that Powerhouse Two's existing clients have relied on.

Powerhouse Two also addressed the growing role of the [battery for medical device](#) applications within its renewable energy portfolio announcement. Several commercial-scale energy storage deployments serve backup power functions for medical facilities - clinics, outpatient surgery centers, and assisted living facilities that require reliable grid-backup power for medical equipment. The company's engineering team has specific experience with power source reliability requirements in medical contexts, including FDA guidance on battery performance in home-use and commercial medical device applications. That experience is being applied to the backup power side of the renewable energy pack portfolio, with configurations available that meet medical facility requirements for power quality and supply reliability.

The renewable energy battery pack portfolio is available for direct commercial inquiry through Powerhouse Two's sales and engineering team. The company's factory-direct model applies to the energy storage product line, providing buyers with pricing that reflects production cost rather than distributor markup. Custom configurations - including non-standard voltage outputs, proprietary connector interfaces, and pack geometries designed for specific installation enclosures - are available through the company's design and development engagement process.

Powerhouse Two serves commercial clients across North America and internationally, with logistics capability spanning ground, air, and ocean freight. Their engineering team is available to engage with potential energy storage clients at the specification stage, before any chemistry or configuration decisions are finalized.

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