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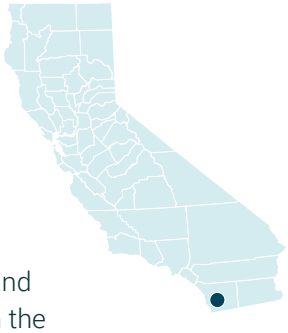
NIGHTHAWK ENERGY STORAGE



Nighthawk Energy Storage Project

Reliable, local power delivered when it's needed most

Overview[1]



Nighthawk is an American energy project located in Poway, California, that has been in commercial operation since 2026. The facility is helping meet our country's rapidly growing demand for electricity by delivering reliable, affordable, locally generated energy. It is strengthening the local economy and supporting public services through tax revenue, job creation, and long-term investment, while providing the electric system with the capacity needed to keep California homes and businesses powered.

The project features advanced battery storage technology selected for its strong safety performance, enabling electricity from the grid to be stored and then dispatched when it is needed most. This supports grid reliability, reduces strain on energy infrastructure, and helps stabilize electricity prices.

As the long-term owner of the facility, Arevon is investing in public and community projects, along with supporting local organizations focused on public safety and youth programs. These partnerships reflect Arevon's commitment to the communities that host its projects.

Technology
Energy Storage

Status
Operation

Size
300 MW/1,200 MWh

Location
Poway, California

Commercial Operation Date
2026

Peak Demand Dispatch
385,000+ California homes can be powered during peak demand

Community Benefits

$30+ Million
Property Tax Payments[2]
Providing revenue for local schools, roads, and public services

130+
Construction Jobs
Supporting competitive wages with a focus on local hiring

Protecting What Matters Most

Leased Land, Preserved
Avoiding permanent changes while protecting the land for future generations

5+ Billion Gallons
Water Saved Annually
Conserving vital resources

209,000+ Metric Tons
CO_2 Emissions Avoided Annually
Improving public health

[1]Calculation information is available in Arevon's Disclosures and Methodologies. https://arevonenergy.com/wp-content/uploads/2026/05/Arevon-Disclosures-and-Methodologies.pdf
[2]Estimated cumulative payments over the life of the project.

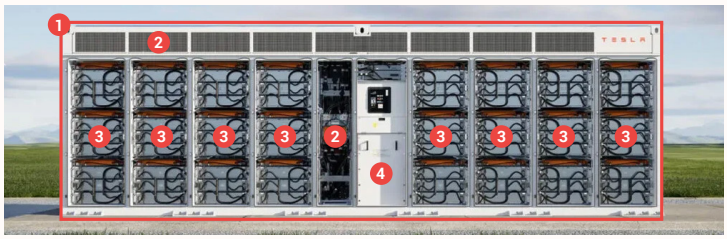
How an Energy Storage Project Works

Utility-scale battery energy storage systems share the same essential components.

Battery Enclosures	Battery Components	24/7 Monitoring and Management

1. **Battery storage system enclosure:** systems are housed in engineered shipping containers, outdoor-rated cabinets, or purpose-built buildings.
2. **Thermal management system:** the noncombustible, weatherproof enclosures feature a thermal management system with sensors to maintain optimal battery temperatures, shutting down automatically at elevated levels.
3. **Battery modules:** contain interconnected Lithium Iron Phosphate (LFP) cells that store and release energy. Stacked modules form a battery rack.

   The modules include an integrated **power conversion system (PCS)** that converts direct current (DC) to alternating current (AC) for grid discharge and AC to DC for charging.
4. **System management and control** includes:
   - An **energy management system (EMS)** which optimizes performance and directs energy flow.
   - A **battery management system (BMS)** that monitors battery health and functionality — and ensures safe operation.
   - A **supervisory control and data acquisition (SCADA) system** for 24/7 monitoring, control, and data acquisition for safe, reliable energy management.



Commitment to Safety

Safety is a top priority at Arevon, beginning with installing the most advanced technology available today. Compared to many alternative lithium-ion chemistries, LFP is less susceptible to thermal events and has become a preferred choice for utility-scale energy storage applications. Arevon uses LFP Megapacks across the majority of its energy storage projects. Since their commercial introduction in North America, there have been no reported fire incidents involving LFP Megapacks.

Community-First Approach

At Arevon, we don't just develop energy projects — we show up, we listen, and we act as partners to the communities that make them possible. That means more than delivering electricity. It means supporting local priorities through volunteering, event sponsorships, and direct community investments.

As part of our long-term commitment, Arevon allocates a portion of each project's capital cost to community benefits. We focus our resources on three key pillars: alleviating food and housing insecurity, supporting education with a focus on science, technology, engineering, and mathematics (STEM), and promoting public health and safety.

Responsible Land Stewardship

Our projects utilize the land responsibly to provide a reliable source of domestic energy, while preserving it for future options and preventing more permanent and intensive development.

About Arevon

Arevon is a U.S. energy leader committed to powering America with affordable, reliable, and secure homegrown energy. Headquartered in Arizona, and with a regional office in New York, the company's experienced and dedicated team develops, finances, builds, owns, and operates renewable energy projects nationwide. With a strong track record in utility-scale solar and energy storage, Arevon is a trusted partner to utilities and businesses seeking cost-effective, sustainable energy solutions. By prioritizing American manufacturing and domestic energy production, the company invests in U.S. jobs, strengthens local economies, and advances the country's energy independence. For more information, visit arevonenergy.com.

Scan the QR code to learn more about the project.

Updated October 2026