

Solar SME, INC.

FranklinWH aPower 2 Battery Backup Solutions

Get Estimate

15 kWh — Reliable Power When the Grid Fails (average per unit)

10 kW — continuous output per battery

225 kWh — maximum system capacity

15 years — limited warranty

Power reliability is essential for homes and businesses facing grid outages, rising electricity rates, and increasing energy demands. The FranklinWH aPower 2 battery backup offers an advanced energy storage solution designed to improve energy resilience and give property owners greater control over their electricity usage. With 15 kWh of storage capacity and up to 10 kW of continuous output per battery, it can support demanding electrical loads, store excess solar energy, and help reduce reliance on grid electricity. Built with lithium iron phosphate (LFP) technology and designed for integration with compatible energy systems, aPower 2 combines powerful performance with expandable storage.

Solar SME helps you find a customized battery backup solution aligned with your energy needs, property requirements, and long-term goals.

FranklinWH aPower 2 Battery: Powerful Energy Storage

The FranklinWH aPower 2 is a second-generation, AC-coupled battery designed to store energy from solar panels, the grid, and compatible generators and EV energy systems within the FranklinWH ecosystem.



KEY SPECIFICATIONS

BATTERY CAPACITY **15 kWh per unit**	CONTINUOUS OUTPUT POWER **Up to 10 kW**
BATTERY CHEMISTRY **Lithium iron phosphate (LFP)**	CHARGING POWER **Up to 8 kW**
MAXIMUM SYSTEM CAPACITY **Up to 225 kWh**	SCALABILITY **Up to 15 batteries per aGate**
ROUND-TRIP EFFICIENCY **Approximately 90% under specified test conditions**	WARRANTY **15 years or 60 MWh throughput, subject to warranty terms**
NOISE LEVEL **Approximately 30 dBA typical**	

Specifications and performance depend on operating conditions, configuration, and applicable manufacturer documentation.







FEATURES

What Makes FranklinWH aPower 2 Stand Out?

FranklinWH aPower 2 combines high-capacity energy storage, powerful backup performance, and intelligent energy management. Its scalable design helps residential and commercial properties maintain reliable power, optimize solar energy usage, and reduce dependence on the utility grid. Key features that make aPower 2 a versatile energy storage solution include:

01 — High-Capacity Storage
With 15 kWh capacity and 10 kW continuous output, aPower 2 supports demanding electrical loads and can start a 5-ton air conditioner under suitable conditions.

Scalable Battery Storage — 02
Expand your system to 225 kWh using up to 15 batteries per aGate, supporting growing residential and commercial energy needs.

03 — LFP Battery Technology
Lithium iron phosphate (LFP) chemistry offers improved thermal stability and safety characteristics for dependable energy storage.

15-Year Limited Warranty — 04
FranklinWH provides a 15-year limited warranty, subject to a 60 MWh throughput limit, capacity-retention requirements, and applicable terms.

FranklinWH aPower 2: Engineered to Handle Extreme Temperatures Without Compromising Performance

Extreme heat and freezing conditions can challenge battery performance when reliable backup power matters most. FranklinWH aPower 2 features intelligent thermal management designed to help maintain suitable battery operating conditions across changing temperatures.



Natural Cooling Technology
Dissipates heat without conventional cooling fans for quiet, efficient operation.



Automatic Cold Weather Heating
Activates heating when needed to help maintain suitable battery temperatures.



Wide Operating Temperature Range
Designed to operate from -4°F to 131°F, supporting performance across diverse climates.

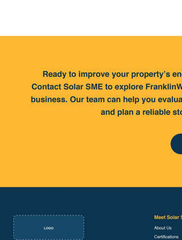


Smart Thermal Protection
Helps manage temperature conditions to support reliable battery operation and long term performance.

With advanced temperature management, FranklinWH aPower 2 delivers a more adaptable energy storage solution for residential and commercial properties facing demanding weather conditions.

Seamless FranklinWH aPower 2 Installation, Built Around Your Energy Needs

Reliable backup power starts with a system that fits your property's unique energy needs. Solar SME helps you plan your FranklinWH aPower 2 installation with a focus on performance, compatibility, and dependable backup.



1. **Understand Your Energy Needs** — Assess electricity consumption, critical equipment, and backup expectations.
2. **Build the Right Battery Setup** — Plan storage capacity, power output, and compatible solar and electrical components.
3. **Prepare for Installation** — Review site requirements, electrical upgrades, permitting, and utility approvals.
4. **Install and Test Your System** — Configure and commission the equipment according to manufacturer specifications and applicable requirements.
5. **Performance Verification** — Confirm system functionality, review backup settings, and ensure the battery operates according to manufacturer specifications.

FranklinWH aPower 2 Battery Cost and Incentives

The total cost of a FranklinWH aPower 2 installation depends on the number of batteries, electrical upgrades, backup configuration, solar integration, permitting, and labor.



FranklinWH aPower 2 Installation in Your Area

Explore Our Locations

Select a service area to learn more

- Texas
- North Carolina
- Kentucky
- Maryland
- Delaware
- Washington, DC
- Pennsylvania
- Arizona
- New Mexico
- Virginia
- Colorado

11 SERVICE AREAS • ONE RELIABLE ENERGY PARTNER

Ready to improve your property's energy resilience and make better use of solar power? Contact Solar SME to explore FranklinWH aPower 2 battery backup solutions for your home or business. Our team can help you evaluate your energy needs, compare system configurations, and plan a reliable storage solution tailored to your goals.

Get Estimate

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