The FranklinWH System

A Whole Home Energy Management Solution

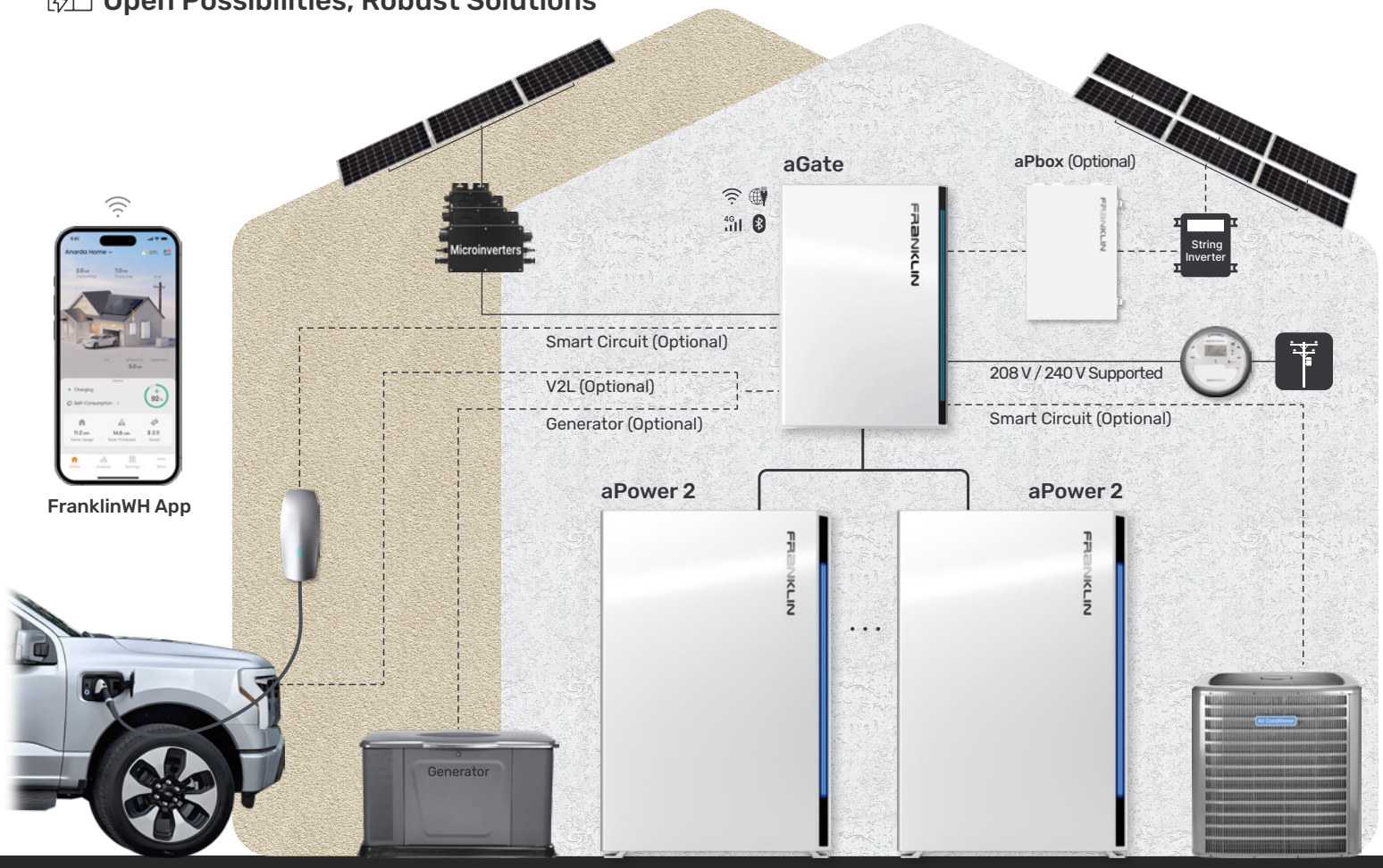


The FranklinWH System provides whole home energy management and battery storage by integrating multiple sources of power generation and storing excess energy in batteries to use during outages and to lower utility bills. It stores solar and grid energy to use for time of use (TOU) load shifting and as a backup for outages. The FranklinWH ecosystem is off grid ready out of the box designed for energy independence. The FranklinWH System provides real time monitoring and control for a home's day-to-day energy usage. The two key electrical components are the aGate and aPower.

The **FranklinWH aGate** is an intelligent energy management center serving as the controller for all home power sources by interconnecting solar, grid, battery, generators, and even EVs to supply electricity to the home. It seamlessly transitions the home supply from grid to backup power so that always-on appliances, such as the refrigerator, heat pumps and network router, will not be affected when grid goes down.

The **FranklinWH aPower 2** is an AC-coupled battery that stores generated power. That power can then be used to lower electric bills and to run heavy loads such as air conditioners and water heaters even during grid outages. It enhances solar installations by storing energy when the sun is shining and then using it at night, during peak rate periods to lower utility bills. The system also provides homeowner peace of mind by fully charging aPower batteries before severe weather events.

Open Possibilities, Robust Solutions



Solution Features

Easy installation

All-in-one design, light-speed commissioning

- Simple and easy commissioning, finished in **15 Mins**
- **Built-in design** for optional Smart Circuits and Generator Modules

Hassle-free operations & management

Reliable design and connectivity for simple O&M

- **IP67** aPower design, suitable for outdoor use
- Intelligent thermal management and advanced BMS ensure optimal battery performance
- **Remote O&M** via the FranklinWH App and FleetView to solve most issues, reducing truck rolls
- **UL 869A** & **UL 67** certified safety to accelerate permit approval

Flexible

Eliminate the physical restriction of various installation scenarios

- 208 V single-phase residential battery solution for multi-family housing
- Large-scale fire testing under **UL 9540A** to satisfy limited spacing for flexible, safe and clean-looking installation.
- **UL 1741** certified PCS function & 280 A busbar to avoid Main Panel Upgrades (MPU)
- Enhanced compatibility with micro and string inverters
- Indoor and outdoor / Wall and floor mounted
- Operating in a wide temperature range: -4° F to 131° F (-20° C to 55° C), suitable for use across North America
- Commissioning via Ethernet, Wifi, 4G, or Bluetooth

High performance

Smart, yet powerful Whole Home Power Solution for energy freedom

- Each aGate supports up to 15 aPowers in parallel, 225 kWh
- AC-coupled stackable output power to 38.4 kW
- 15-year warranty, 60 MWh throughput guaranteed
- Vehicle to loads (V2L) function enabled to power home and charge the battery from an EV
- Battery charge ensured with black start functionality after a prolonged outage
- Net Billing Tariff (NBT): Ready to optimize energy savings
- Support a wide range of VPP programs nationwide to maximize solar and storage incentives

Note: *The aPower 2 is compatible with the aGate 1.3. Backwards compatibility will be launched in Q2'2025.*

Success Stories







Address: 1731 Technology Dr., Suite 530 San Jose, CA 95110 **Telephone:** +1 888-837-2655 **Email:** info@franklinwh.com **Website:** www.franklinwh.com

Copyright 2025 FranklinWH Energy Storage Inc. All rights reserved. The Franklin logo, FranklinWH, and other trademarks or service names are the trademarks of FranklinWH Energy Storage Inc.
2025-02-22