FRANKLINWH

Enjoy Energy Freedom

with Franklin Whole Home

FRANKLINWH

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

Experience Whole Home
Energy Freedom

Reliable Power

New and Existing Solar Systems

Energy Savings

Generator-Ready

Store, and use solar energy with Franklin Home Power

The Franklin Home Power (FHP) system provides whole home backup by integrating multiple sources of power generation. It provides real time monitoring and control for a home's day-to-day energy usage. It stores solar or grid energy and uses it for time-of-use (TOU) load shifting and as a backup for outages. The three primary FHP components are: aGate, aPower and the FranklinWH App.

The FHP supports installers working with both homeowners and builders. With 240V and 208V options, whole home energy management is a reality for a variety of property owners looking to protect their investments and their quality of life from the challenges of the modern energy environment.

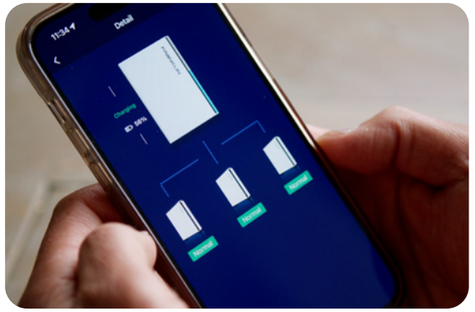
Key takeaways

Industry-leading battery solution for 240 V and 208 V residential.

Enhanced PV compatibility, supports 7.6 kW solar generation with only a single aPower.

Natural air-cooled design to maximize maintenance free reliability.

Redefines easy commissioning, completed within 15 Mins.



Seamless energy management, storage and control

aGate Intelligent energy management system

Serves as the controller for all home power sources by interconnecting solar, grid, battery, and generators to supply electricity to the home. Seamlessly transitions the home supply from grid to backup power so that always-on appliances, such as the refrigerator and network router, will not be affected when grid goes down.

aPower AC-coupled battery

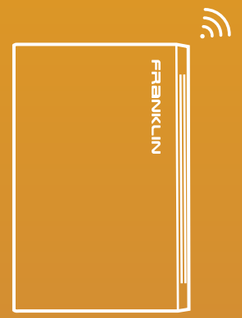
Store solar generated power while the sun is shining. Use the stored energy to lower electric bills. Run heavy loads such as air conditioners and water heaters as usual even during grid outages. Provide homeowner peace of mind by fully charging before severe weather events.

FranklinWH App

The interface to control and monitor home energy. Dynamically control Smart Circuits and customize power plans to optimize energy efficiency, save more money, and extend backup time during prolonged outages. View real-time energy flow, energy consumption by day, week, month, or year, and the current performance of the energy system, such as the grid input power, solar production, the battery discharge power, and generator output.

aGate

Intelligent Energy Management System



Integrating multiple power sources to provide efficient power supply and redundant backup

Interconnecting the grid, solar, battery and a generator, the aGate balances energy sources to keep the home powered. When the grid fails, the aGate seamlessly transitions the home to battery power; homeowners even don't know there has been a grid outage. When solar production can't keep up with battery recharging during grid outages, the generator will automatically be turned on to supply electricity to the home. Homeowners can rest easy with redundant power generation.

aGate

Generator Integration

- A generator works alongside other power sources, simultaneously powering homes and recharging aPower batteries
- Customized generator operation based on homeowner's preferences
- Auto-exercise the generator to maintain good performance

Versatile System Manager

Cost-effective load shedding to extend backup time

The aGate provides optional, cost-effective, built-in Smart Circuits, with which homeowners can manage appliances remotely from anywhere and anytime.

Homeowners/installers can configure the power supply for the three Smart Circuits to automatically start/stop based on battery reserve, thus shedding large power loads to conserve more energy during grid outages. The circuits may also be manually controlled.

Compatible with various solar inverters for an easy retrofit

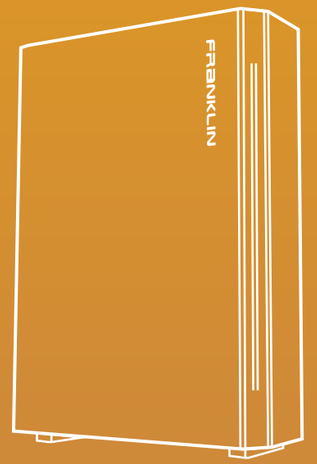
The AC-coupled design makes the FHP compatible with various solar inverters in the market, which means that homeowners can add energy management with battery storage to the existing or new solar system whenever they want, extending the solar power usage and decreasing reliance on the grid, to further reduce their electric bills.

With black start function enabled

When solar power is insufficient, the grid power is unavailable, and the aPower battery available power is exhausted, the Smart Circuits will be automatically disconnected and the system enters sleep mode, waiting for a black start attempt.

aPower

AC-Coupled Battery



Larger capacity to illuminate homes longer

With a 13.6 kWh capacity and 43 MWh of energy provided throughout the warranty lifespan, a single aPower has the ability to store more electricity generated by solar, and supply homes longer.

As homeowners' energy demands change over time, they may wish to expand the system to handle increased energy needs. Due to the FHP's scalable design, up to 15 aPower batteries may be connected to each aGate, to get more power and energy whenever they want.

aPower

Capacity
13.6 kWh

Throughout
43 MWh

Scalability
15 per aGate (204 kWh)

Industry-leading battery solution for 208 V residential

In addition to working with standard 240 V applications, aPower is the only battery on the market that has 208 V compatibility for residential applications such as townhomes, condos, and other multi-family buildings.

- ✓ Compatible for residential 120/208 V, 3-wire, single-phase
- ✓ 5 kW continuous output per aPower, 10 kW peak output for 10 seconds

Enhanced PV compatibility, supports 7.6 kW solar generation with only a single aPower

- Optimize the use of solar generation
- Easy to pair with the common 7.6 kW solar system

Powerful and Reliable Energy Bank

Run a 4-ton AC with a single aPower

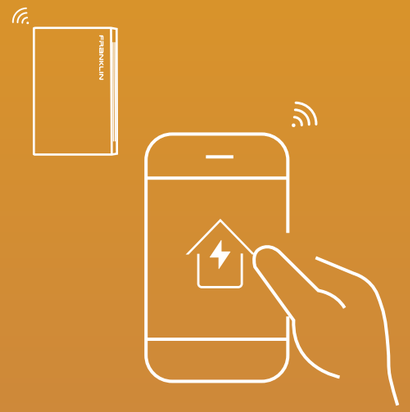
With 5 kW continuous power, and 10 kW peak power for up to 10 seconds, a single aPower can boot up power-hungry appliances, such as a 4-ton air conditioner, without a softstarter, keeping home comfortable even in blackouts.

Reliable and safe for worry-free operation

- **Natural air-cooled** design to maximize maintenance free reliability.
- The **IP67** waterproof and dustproof design ensures aPowers are reliable to be used outdoors.
- The safe **LFP** battery cells enable constant power output with no run-away thermal fire risk.
- With **built-in heating** film in the battery pack. and a future-proof battery management system (BMS), each aPower can operate normally even in low temperatures.

FranklinWH App

Control your home energy management system anytime, anywhere



FranklinWH App

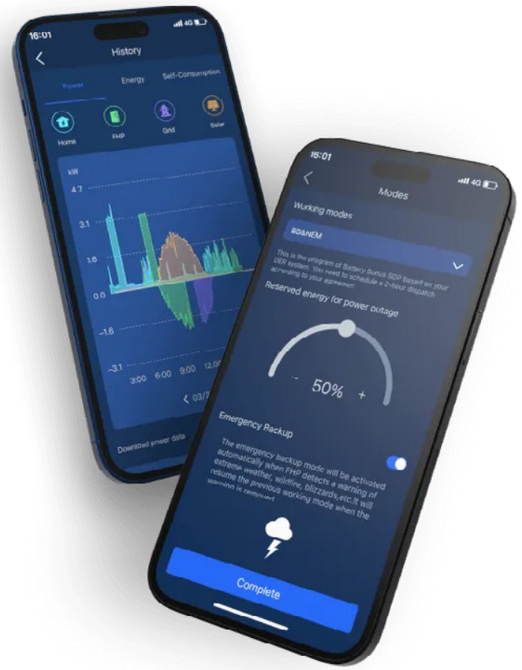
The FranklinWH App, on Android and iOS, allows homeowners to monitor and control the home energy management system anytime, anywhere. Homeowners can select from various available energy-saving consumption plans for optimized power management. The app supports State and utility company programs for energy use benefits.

See electricity production and usage

Monitor the running status of the grid, solar, battery and generator, view real-time home usage, grid import, solar and generator production, battery charge/discharge power and reserve. Homeowners get notifications about the system on their smart phone anytime, anywhere.

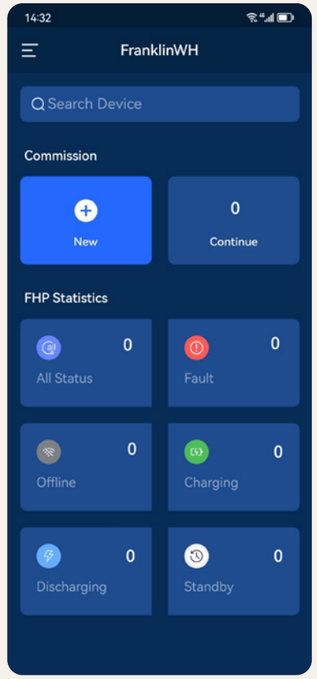
GET IT ON Google Play

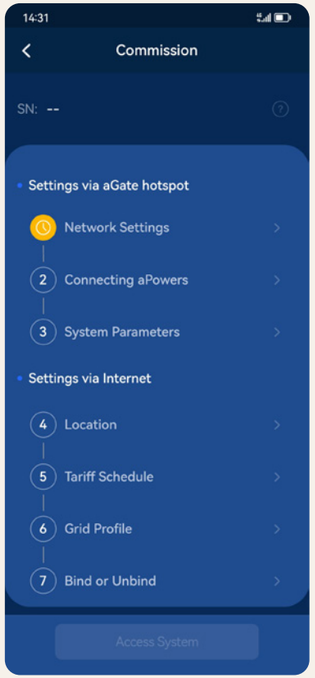
Available on the App Store

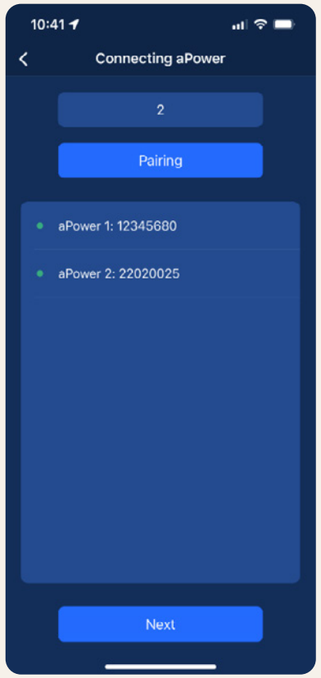


Redefines easy commissioning, completed within 15 Mins

Using the FranklinWH App, installers can quickly commission systems, greatly reducing installation time.

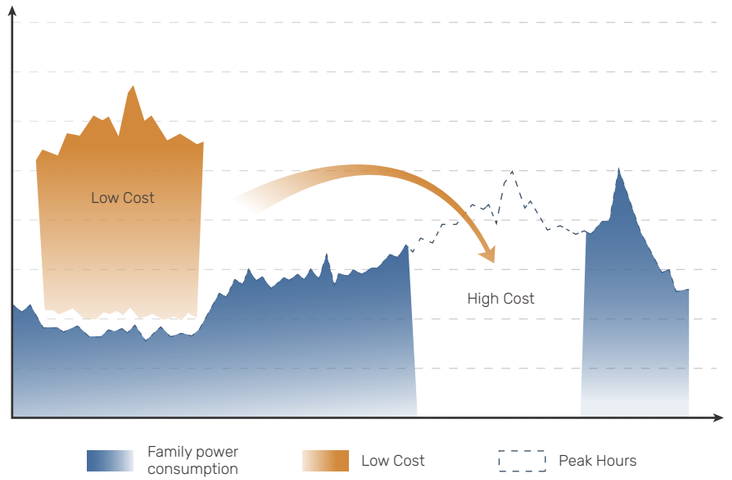






Personalize energy strategies to lower homeowner's electric bill

- Automatically updates rate plan options in the app and utilizes an adaptive algorithm to match the homeowner with a best rate plan.
- Configure the large loads, such as an EV charger, connected on Smart Circuits to run in off-peak periods, to avoid drawing expensive electricity from the grid during peak demand periods.



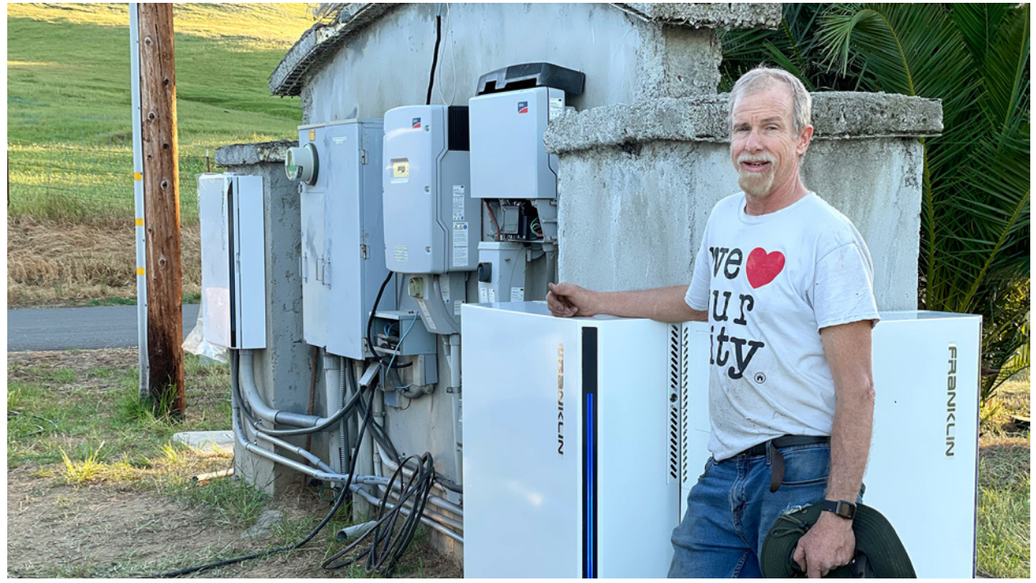
VPP Ready

The FranklinWH App provides an interface for customers to enroll in a growing number of VPP programs, to gain credit or receive money by selling electricity to the utility. Third party financing and demand response VPP revenue available through Sunnova and Swell APL.

Case Study

Energy Independence Starts Here

Location: Fort Myers, Florida
System Allocation: 1 aGate + 1 aPower



Location: Vacaville, California
System Allocation: 1 aGate + 2 aPowers

Location: Bakersfield, California
System Allocation: 1 aGate + 6 aPwers

Location: Fort Worth, Texas
System Allocation: 1 aGate + 3 aPowers