Enjoy Energy Freedom
with Franklin Whole Home

FRANKLINWH

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Experience Whole Home
Energy Freedom

New or 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 load shifting and as a backup for outages. The three primary FHP components are: aGate, aPower and the FranklinWH App.

Key takeaways

Two PV circuits supported per aGate, to get solar expansion easily

LFP battery cell, safer and longer lifecycle

13.6kWh fully usable energy plus reserved capacity for black start

Storm hedge functionality bring you peace of mind during severe whether

Redefines easy commissioning, completed within 10 Mins

Natural air-cooled design to maximise maintenance free reliability

Seamless energy management, storage and control

aGate Smart energy management system

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

aPower AC-coupled battery

Store solar generated power when the sun is shining. Use the stored energy to reduce homeowners' electric bill. Run heavy loads such as air conditioners and water heaters as usual even in grid outages. Provide homeowners peace of mind by fully charging before severe weather events.
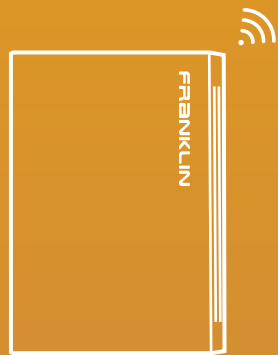
FranklinWH App

The interface to control and monitor home energy. Customise power plans to optimise energy efficiency and save more money. 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

Smart Energy Management System

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

Interconnecting the grid, solar, battery and generator, the aGate balances power sources to keep the home powered. When the grid fails, each 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 easily with redundant power generation.

aGate

Generator Integration

✓ Generator works alongside other power sources, powering the home and recharging aPower batteries simultaneously

✓ Customised generation operation based on homeowner's preferences

✓ Auto-exercise generator to maintain good performance

Versatile System Manager

Cost-effective load shedding to extend backup time

The aGate provides cost-effective built-in Smart Circuits functionality, with which homeowners can manage appliances remotely from anywhere and anytime. Homeowners/installers can configure the power supply for the two Smart Circuits to automatically start/stop based on battery reserve, thus shed large power loads connected on Smart Circuits to conserve more energy in grid outages. The circuits may also be manually controlled as needed.

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.
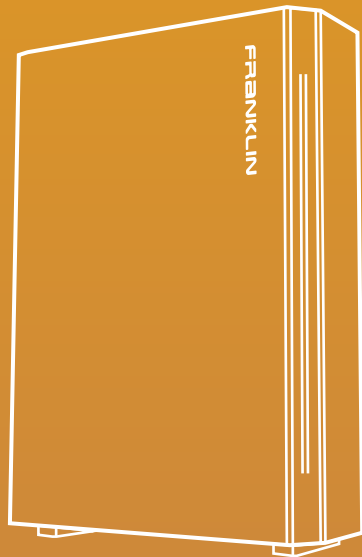
With black start function enabled

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.
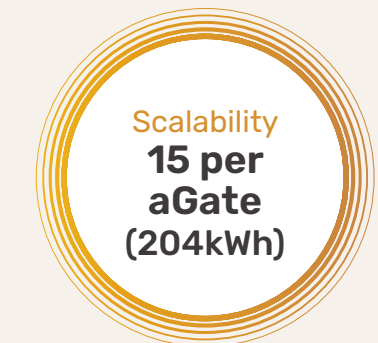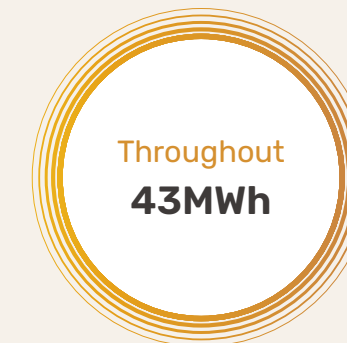
aPower

AC-Coupled Battery

12 Years Warranty

Larger capacity to illuminate homes longer

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

As a homeowner's energy demand changes 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 added per aGate, to get more power and energy whenever they want.

aPower

Capacity	Throughout	Scalability
13.6kWh	**43MWh**	**15 per aGate (204kWh)**

✓ 5 kW continuous output per aPower, 10 kW peak output for 10 seconds

✓ Support air-conditioning with loads

✓ 13.6kWh fully usable energy plus reserved capacity for black start

Powerful and Reliable Energy Bank

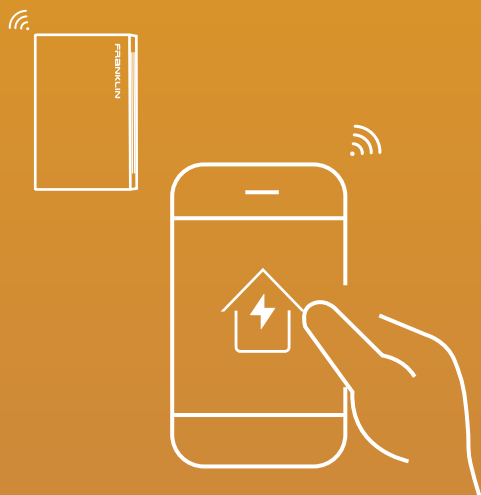## Powerful enough to run 3kW Aircon with a single aPower

With 5kW continuous power, and 10kW peak power for up to 10s, a single aPower can boot up power-hungry appliances, such as a 3kW air conditioner, keeping home comfortable even in blackouts.

Reliable and safe for worry-free operation

✓ Natural air-cooled design to maximise maintenance free reliability.

✓ The IP67 waterproof and dustproof design ensures aPowers are reliable to be used outdoor.

✓ The 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.

✓ Excellent performance from -20°C to 50°C, suitable for all Australian regions.

FranklinWH App

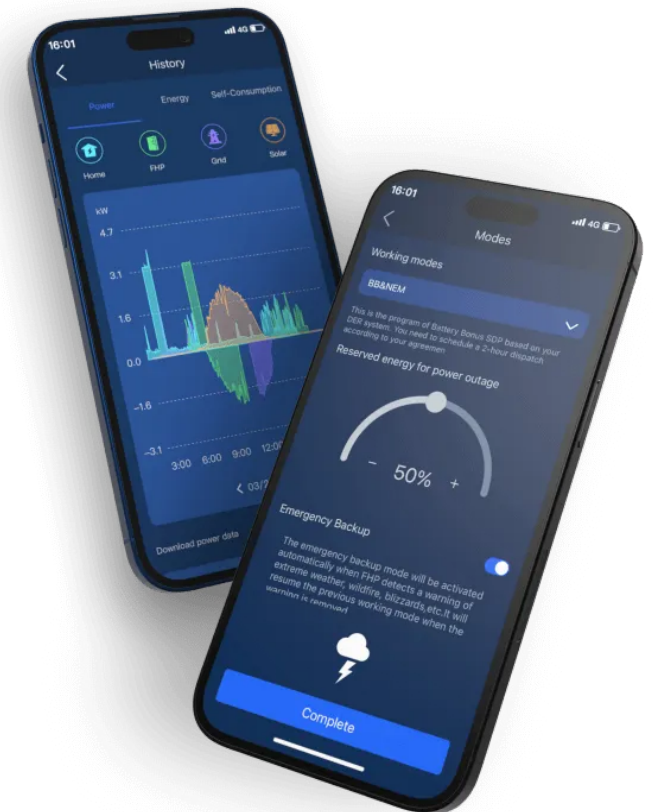Control your home energy management system anytime, anywhere.

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 optimised power management.

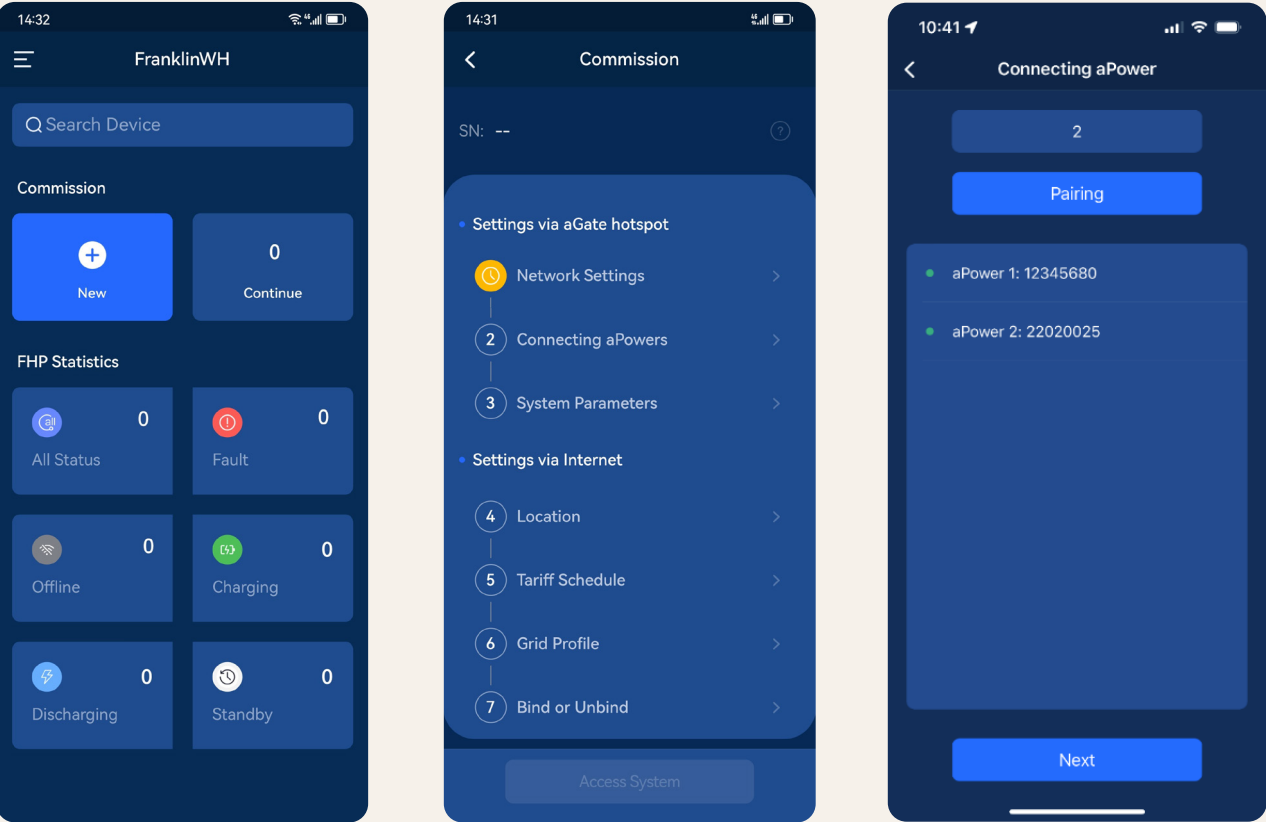## See electricity production and usage

Monitor running statuses of the grid, solar, battery and generator (if present), 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 10 Mins

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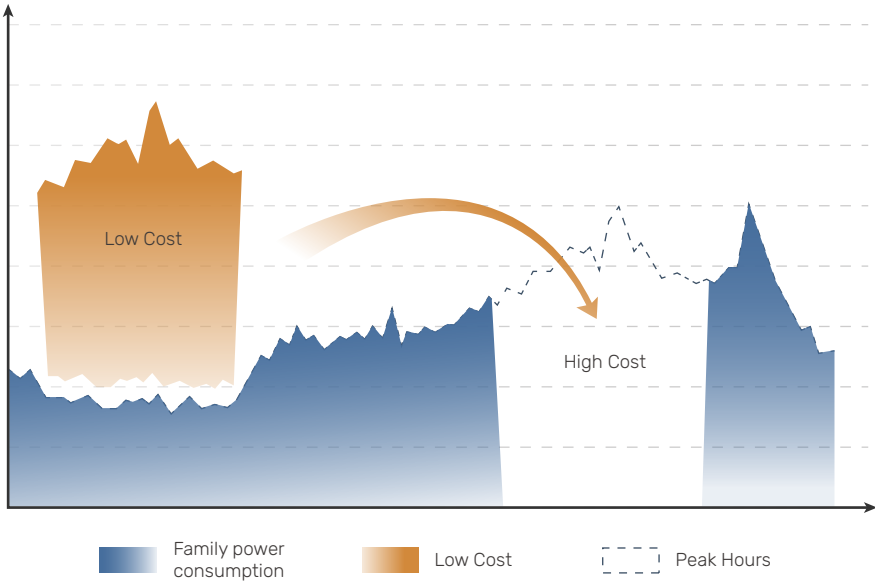

Personalise energy strategies to lower homeowner's electric bill

✓ Automatically updates rate plan options in the app and utilises a self-adaptive algorithm to match the homeowner with a best rate plan.

✓ Configure large loads, such as EV chargers, on Smart Circuits to run in off-peak periods, thus avoid drawing expensive electricity from the grid during peak demand periods.

Storm hedge function brings you peace of mind during severe weather

When the Storm Hedge function is enabled, the FranklinWH app will receive a weather forecast from the local authority about a serious weather event, send a warning message via the app, and then the FHP will automatically enter backup mode to power household loads during the weather event. When the extreme weather passes, the FHP system will automatically revert to the previous settings.

FranklinWH App