

# Home Energy Management System

The FranklinWH System sets the standard for safe, reliable power backup and is built to optimise daily household energy management, bringing you whole-home energy freedom. The core components in the FranklinWH System are the aPower battery, the aGate intelligent controller, and the FranklinWH App.

## Key Takeaways

### Robust

- 12 years or 60 MWh throughput warranty
- Resilient, all-metal casing

### Safe

- Top-tier LFP cells
- Per-cell temp monitoring with 16 sensors

### Reliable

- IP67 weatherproof rating
- C5 salt spray resistance

### Versatile

- Inverter & generator agnostic
- Black start capable, off-grid ready

### Scalable

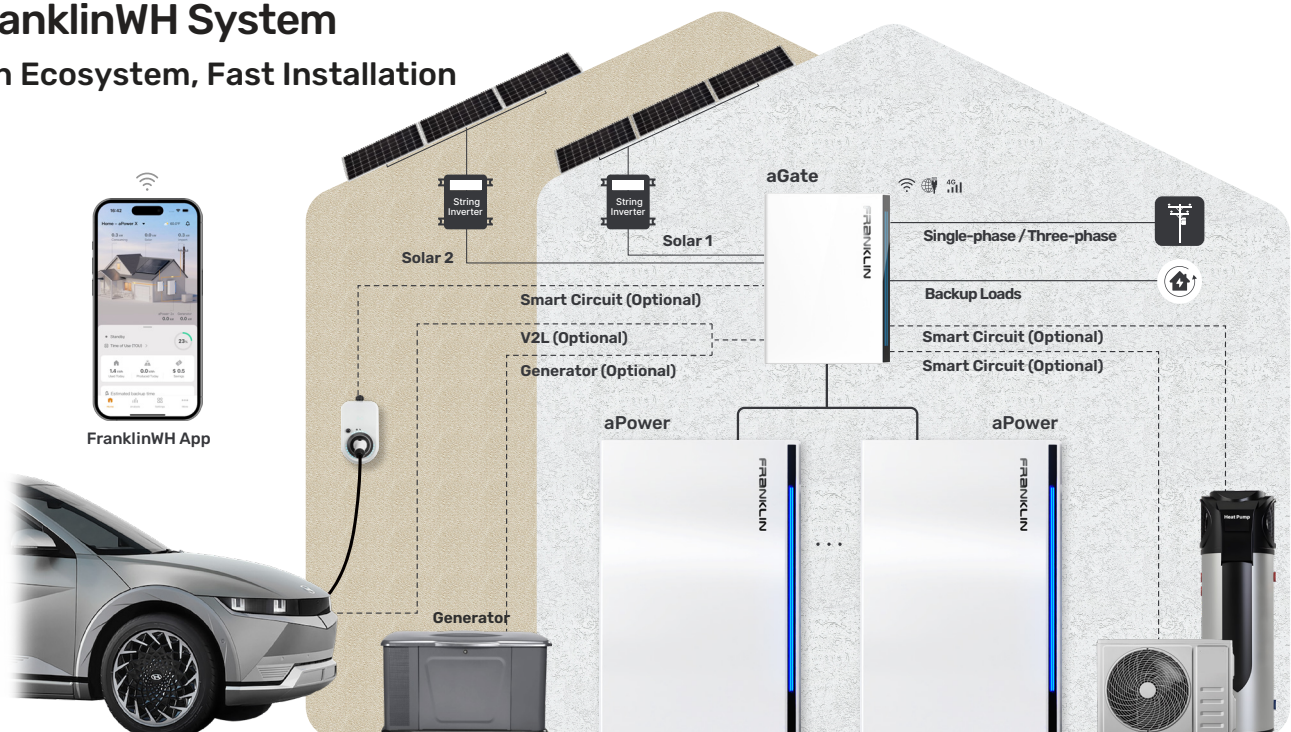
- 15 kWh, scalable up to 225 kWh per aGate
- Up to 20 kW continuous with 4+ aPowers

### AC-Coupled

- Easy & fast retrofit setup
- Supports 1, 2, & 3-phase (SWER & split) configurations

## FranklinWH System

Open Ecosystem, Fast Installation



## Solution Features

### Easy installation

- Built-in Generator and Smart Circuits modules
- Self-lifting dolly provides easy transportation and installation
- Fast commissioning in under 10 mins

### Flexible deployment

- Off-grid and on-grid whole-home backup supported
- AC-coupled: All AC connections, compatible with microinverters and string inverters
- Single/three phase compatible

### Hassle-free operations

- IP67 weatherproof rating, suitable for harsh outdoor conditions
- Operating Temperature: -20°C to 50°C, suitable for all Australian regions
- LFP battery cell offers safer and longer life cycles
- Storm Hedge function brings you peace of mind

### Smart management

- Smart Circuits auto-shed specific large loads to extend backup hours
- Generator auto-start/stops based on battery SOC or time schedule
- Black start function auto-resumes solar generation after battery is fully drained and even when the grid is still down

## Success Stories

Case	Challenge	Solution	Customer Benefits
Dairy Farm	Solar power misaligns with peak consumption period, causing expensive demand charge	12 aPower units	<ul style="list-style-type: none"><li>• Lower electricity bills, avoiding high demand charge</li><li>• Essential loads protected</li></ul>
Homeowner	Frequent outages due to extreme weather	3 aPower units	<ul style="list-style-type: none"><li>• Whole-home backup</li><li>• Peace of mind during extreme weather</li><li>• Off-grid option is available</li></ul>

### Suitable for large house and small C&I



### Whole-home backup for small house



### Optimal performance during extreme weather



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