

Franklin Whole Home Energy Management Solution



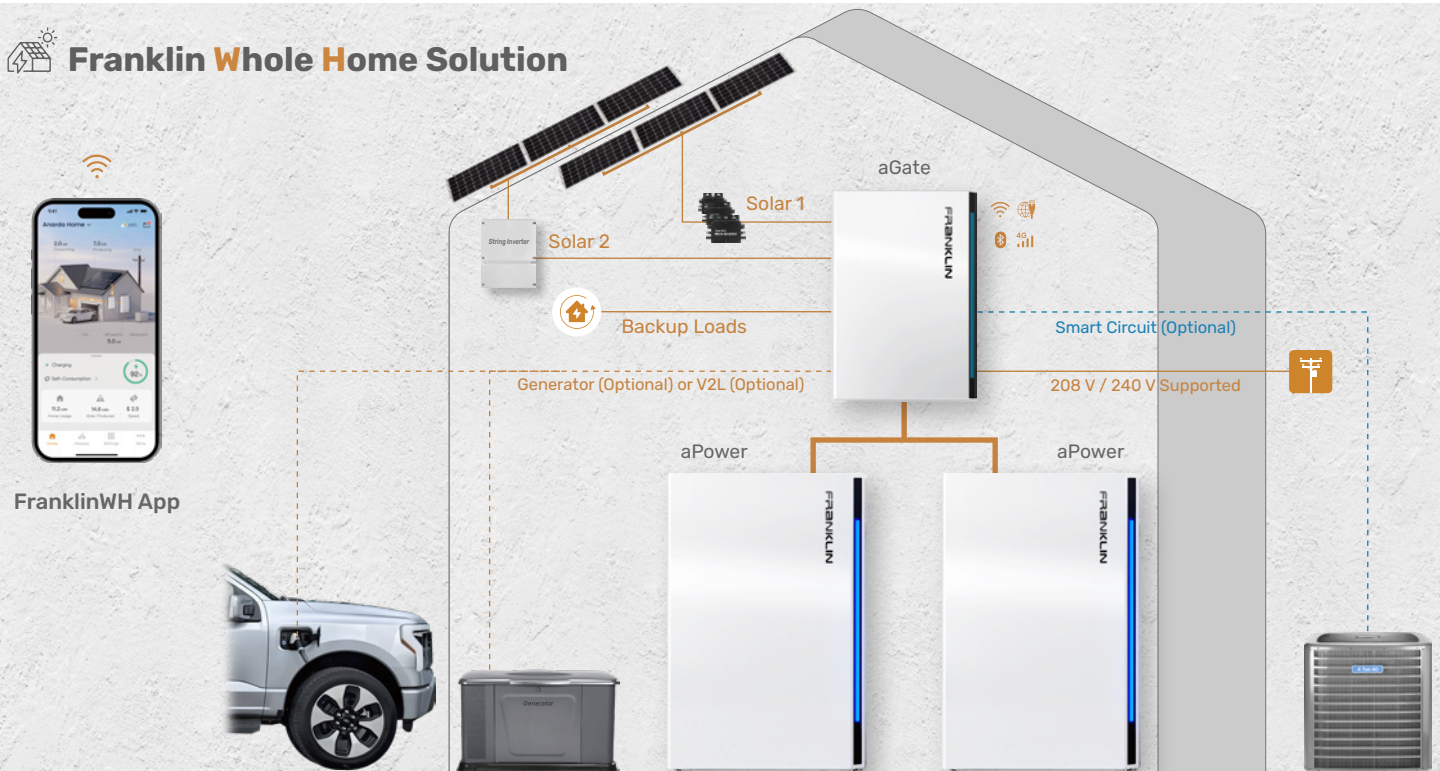
The **Franklin Home Power (FHP)** system provides whole home backup by integrating multiple sources of power generation. It stores solar and grid energy to use for time of use (TOU) load shifting and as a backup for outages. The FHP provides real time monitoring and control for a home's day-to-day energy usage. The two key electrical FHP 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, and generators 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 and network router, will not be affected when grid goes down.

The FranklinWH **aPower** is an AC-coupled battery that stores solar generated power while the sun is shining. 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. The system also provides homeowner peace of mind by fully charging aPower batteries before severe weather events.

Key takeaways

- Net Billing Tariff (NBT): Ready to optimize energy savings
- Enhanced PV compatibility, supports 7.6 kW solar generation with one aPower
- Commissioning through the aGate Wifi hotspot or Bluetooth
- Redefines easy commissioning, completed within 15 Mins
- Industry-leading battery solution for 240 V / 208 V residential
- Unlock Vehicle to loads (V2L) functionality allows users to power the home from the EV
- Black start ensures battery charge after a prolonged outage or extended trip
- UL869A / UL67 certified safety
- Two aPowers can be connected via a quad breaker with no combiner needed



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
- 2 aPower connected via a quad-breaker with no combiner required

 Flexible

Eliminate the physical restriction of various installation scenarios

- 208V 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.
- UL1741 certified PCS function & 280A 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: -4° F to 122° F (-20° C to 50° C), suitable for use across North America
- Commissioning through the aGate Wifi hotspot or Bluetooth

 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, reduced truck rolls
- UL 869A & UL 67 certified safety to accelerate permit approval

 High performance

Smart, yet powerful Whole Home Power Solution for energy freedom

- Each aGate supports up to 15 aPowers in parallel, 204 kWh
- AC Coupled stackable output power to 38.4 kW
- 12-year warranty, 43 MWh throughput guaranteed
- Vehicle to loads (V2L) function enabled to power home from the EV
- Battery charge ensured with black start functionality after a prolonged outage or an extended trip
- Over-the-air technology provides seamless, remote upgrades
- Net Billing Tariff (NBT): Ready to optimize energy savings

Success Stories



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