

aPower + aGate

Whole-home storage to energize your fullest life



Reliable

Exceeds performance standards, backed by 12-year warranty

Flexible

Technology-agnostic system can be used with any solar inverter

Scalable

Highest system density allows up to 15 units for 204 kWh

Simplified

Pre-assembled for fast, easy one-step installation

Hassle-free

Remote monitoring and user-friendly app limit O&M

Franklin Home Power Solution ("FHP")

Designed to meet homeowners' future needs today, Franklin Whole Home goes well beyond the demand for safe, reliable back-up. Our powerful performance stems from integrating the highest AC battery capacity with the industry's most intelligent controls.

- a.** aPower battery with built-in advanced inverter.
- b.** aGate control system interfaces between the grid, the loads, the generator and the solar system.
- c.** FWH App allows for seamless monitoring of your whole home energy.



System Key Parameters

Performance

AC Battery

Battery Chemistry	Lithium Iron Phosphate (LFP)
Usable System Energy	13.6 kWh per unit, scalability up to 15 units
Aggregate Throughput	43MWh
Communication	Ethernet / 4G / WiFi
Nominal AC Voltage	120V/240V, 60Hz
Continuous / Peak discharge power	5kW / 10kW
Switch over time (grid to micro-grid)	<16ms
Round Trip Efficiency	85%
Inverter Topology	Isolated
Noise Emission	<30dB (A) (optimal)
User Interface	FranklinWH Application
Warranty	12 years

Electrical Interface

Coupling	AC coupling
Feed-in Phase	Split Phase
Connection Support	L1/L2/N/PE

Work Modes

Self-consumption / customer self-supply
Load Shifting
Backup Standby
Emergency Backup

Physical

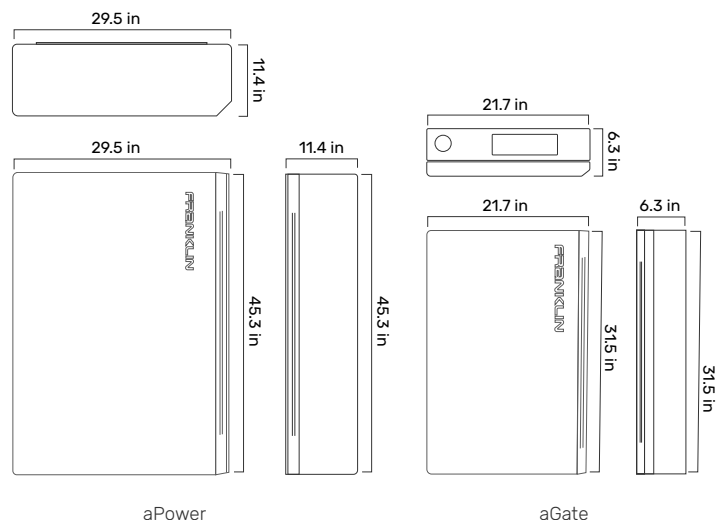
Dimensions(H*W*D, inch)	aPower X: 45.3 in*29.5 in *11.4 in (1150*750*290mm) aGate X: 31.5 in*21.7 in *6.3 in (800*550*160mm)
Weight	aPower X: 408 Pounds (185 Kg) aGate X: 51 Pounds (23 Kg)
Installation	Wall mount or Floor mount

Environmental

Operating Temperature	-4°F~122°F (-20°C~50°C)
Operating Humidity (RH)	Up to 100% condensing
Altitude	Maximum 9,843 ft (3,000 m)
Ingress Rating	IP67 (Battery and power converter system) IP56 (Wiring Compartment)
Storage Condition	14°F~113°F (-10°C~45°C) Up to 95% RH, non-condensing
Enclosure Type	TYPE 3R
Environment	Indoor and outdoor rated

Compliance & Certificate

Certificate	aPower X: UL1973, UL9540, UL9540A, UN38.3, UL1741, IEEE1547, IEEE1547.1, EMI:Part15, Class B
	aGate X: UL1741 PCS, UL67, UL869A, UL916
Seismic	ACI56, IEE693-2005 (High)
Environmental	California Proposition 65
Emissions	FCC Part 15 Class dB, ICES 003



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