

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 kWh¹

Simplified

Pre-assembled for fast, easy one-step installation

Hassle-free

Remote monitoring and user-friendly app limits O&M

Franklin Home Power Solution (“FHP”)

Franklin Home Power goes well beyond the demand for safe, reliable back-up to optimize daily household energy management. Our powerful performance stems from integrating the highest AC battery capacity with the industry’s most intelligent controls.

- a.** aPower is the AC battery with built-in advanced inverter.
- b.** aGate is the energy management device connecting the grid, the loads, the generator and the solar system.
- c.** FranklinWH App provides seamless monitoring and control of your whole home energy.



Performance

AC Battery

Battery Chemistry	Lithium Iron Phosphate (LFP)
Usable System Energy	13.6 kWh per unit, scalability up to 15 units ¹
Aggregate Throughput	43 MWh
Communications	Ethernet / 4G / WiFi
Nominal AC Voltage	120 V / 240 V, 60 Hz
Maximum Continuous / Peak Discharge Power (10 s)	5 kW / 10 kW
Maximum Supply Fault Current	20 kA
Switch Over Time (grid to micro-grid)	<16 ms
Round Trip Efficiency	89% ²
Inverter Topology	Isolated
Noise Emission (optimal)	<30 dB (A)
User Interface	FranklinWH App
Warranty	12 years

Electrical Connections

aPower Over Current Protection Device	90 A Max
Solar Input Over Current Protection Device	80 A Max
Generator Over Current Protection Device ³	200 A Max
Smart Circuits Over Current Protection Device ⁴	Opt. a 1 × 80 A Max @240 V & 1 × 50 A Max @240 V Opt. b 1 × 80 A Max @240 V & 2 × 50 A Max @120 V

Electrical Interface

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

Work Modes

Self-Consumption
Load Shifting
Backup Standby

Environmental

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

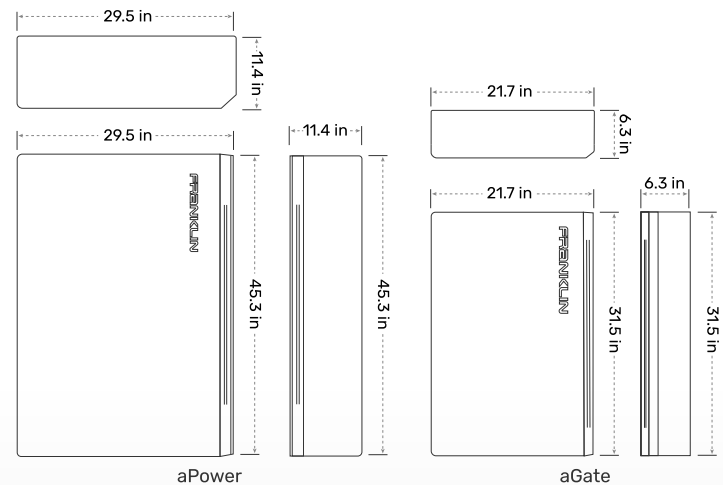
Mechanical

Dimensions(H*W*D)	aPower X: 45.3 × 29.5 × 11.4 in (1150 × 750 × 290 mm) aGate X: 31.5 × 21.7 × 6.3 in (800 × 550 × 160 mm)
Weight	aPower X: 408 lb (185 Kg) aGate X: 50 lb (23 Kg)
Installation	Wall mount or floor mount

Compliance & Certificates

Certificates	aPower X: UL 9540, UL 1741, UL 1741SA, UL 1973, UL 9540A, IEEE 1547, IEEE 1547.1, UN 38.3
	aGate X: UL 1741 PCS, UL 67 ⁵ , UL 869A ⁵ , UL 916 ⁵
Seismic	AC156, OSHPD, IEEE 693-2005 (high)
Environmental	California Proposition 65 RoHS Directive 2011 / EU
Emissions	FCC Part 15 Class B, ICES 003

- 1: Please contact us if you have large capacity requirements.
- 2: At beginning of life, AC to battery to AC, 50% power rating.
- 3: Generator integration is optional.
- 4: Smart Circuits are optional.
- 5: Sections from these standards were used during the safety evaluation and included in the UL 1741 listing.



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