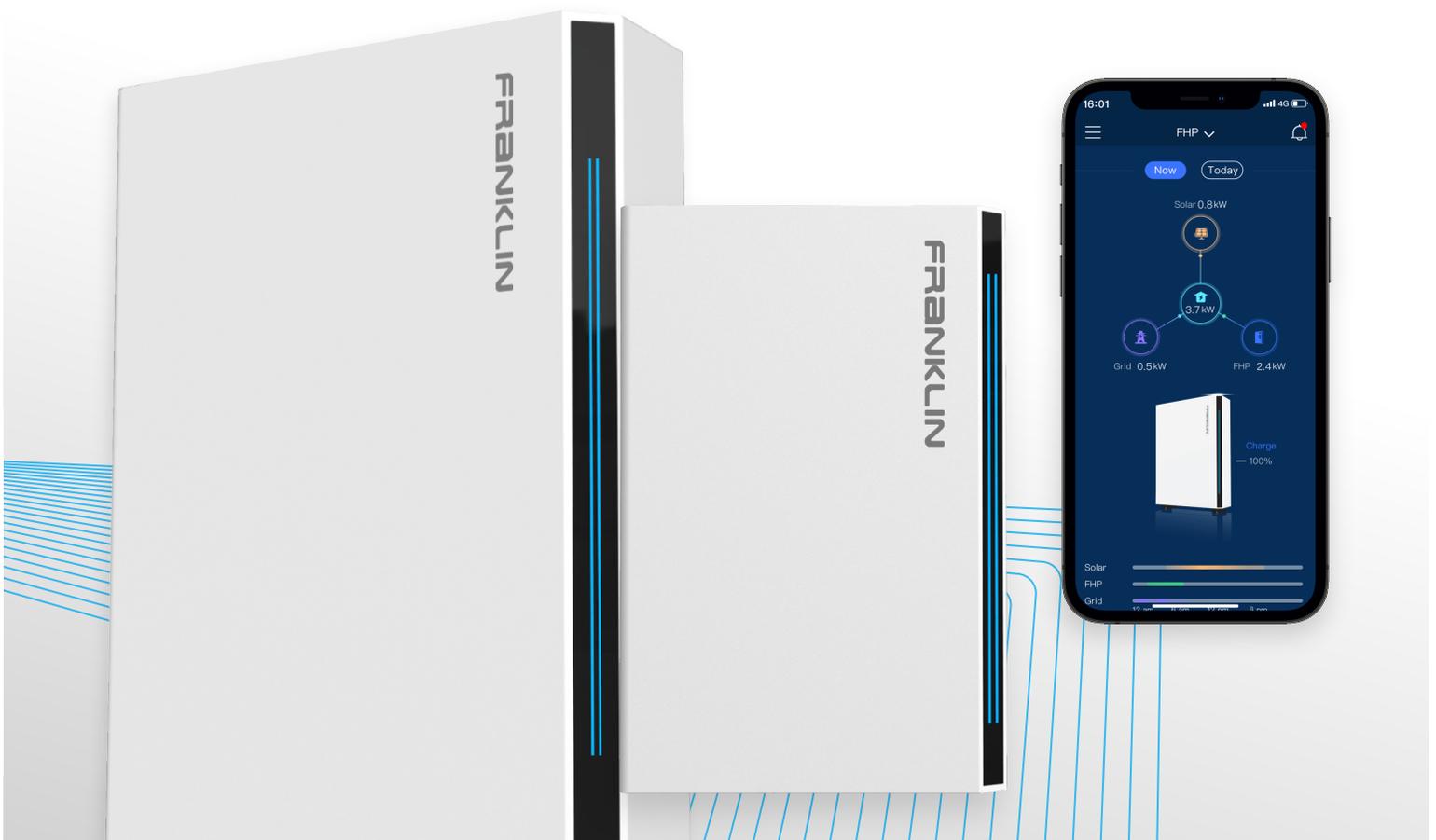


# aPower + aGate

## 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<sup>1</sup>

### 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")

Designed to meet homeowners' future needs today, Franklin Home Power 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 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 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 <sup>1</sup>
Aggregate Throughput	43MWh
Communication	Ethernet / 4G / Wi-Fi
Nominal AC Voltage	120V/240V, 60Hz
Maximum Continuous / Peak discharge power (10s)	5kW / 10kW
Maximum Supply Fault Current	20kA
Switch over time (grid to micro-grid)	<16ms
Round Trip Efficiency	89% <sup>2</sup>
Inverter Topology	Isolated
Noise Emission (optimal)	<30dB (A)
User Interface	FranklinWH Application
Warranty	12 years

1: Please contact us for technical support if you are designing a large capacity system.

2: At beginning of life, AC to battery to AC, 50% power rating.

#### Electrical Connections

aPower Protection Device	90A Max
Solar Input Protection Device	80A Max
Generator Over Current Protection Device (Optional)	200A Max
Smart Circuits Protection Device (Optional)	Opt. a 1*80A Max@240V & 1*50A Max@240V Opt. b 1*80A Max@240V & 2*50A Max@120V

#### Electrical Interface

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

#### Work Modes

Self-consumption
Load Shifting
Backup Standby
Emergency Backup

### Environmental

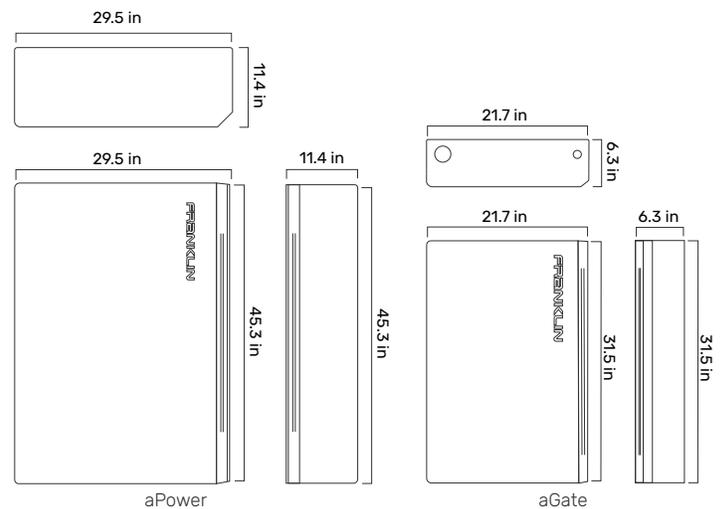
Operating Temperature	-4°F~-122°F(-20°C~50°C)
Operating Humidity (RH)	Up to 100% condensing
Altitude	Maximum 9,843 ft (3,000 m)
Ingress Rating	IP67 (Battery and power converter system) IP56 (Wiring Compartment)
Storage Condition	14°F~-113°F(-10°C~45°C) Up to 95% RH, non-condensing
Enclosure Type	NEMA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

### 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 lb (185 Kg) aGate X: 50 lb (23 Kg)
Installation	Wall mount or Floor mount

### Compliance & Certificate

Certificate	aPower X: UL1973, UL9540, UL9540A, UN38.3, UL1741, IEEE1547, IEEE1547.1, UL1741 SA aGate X: UL1741 PCS, UL67, UL869A, UL916
Seismic	ACI56, IEE693-2005 (High)
Environmental	California Proposition 65 RoHS Directive 2011/EU
Emissions	FCC Part 15 Class B, ICES 003



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