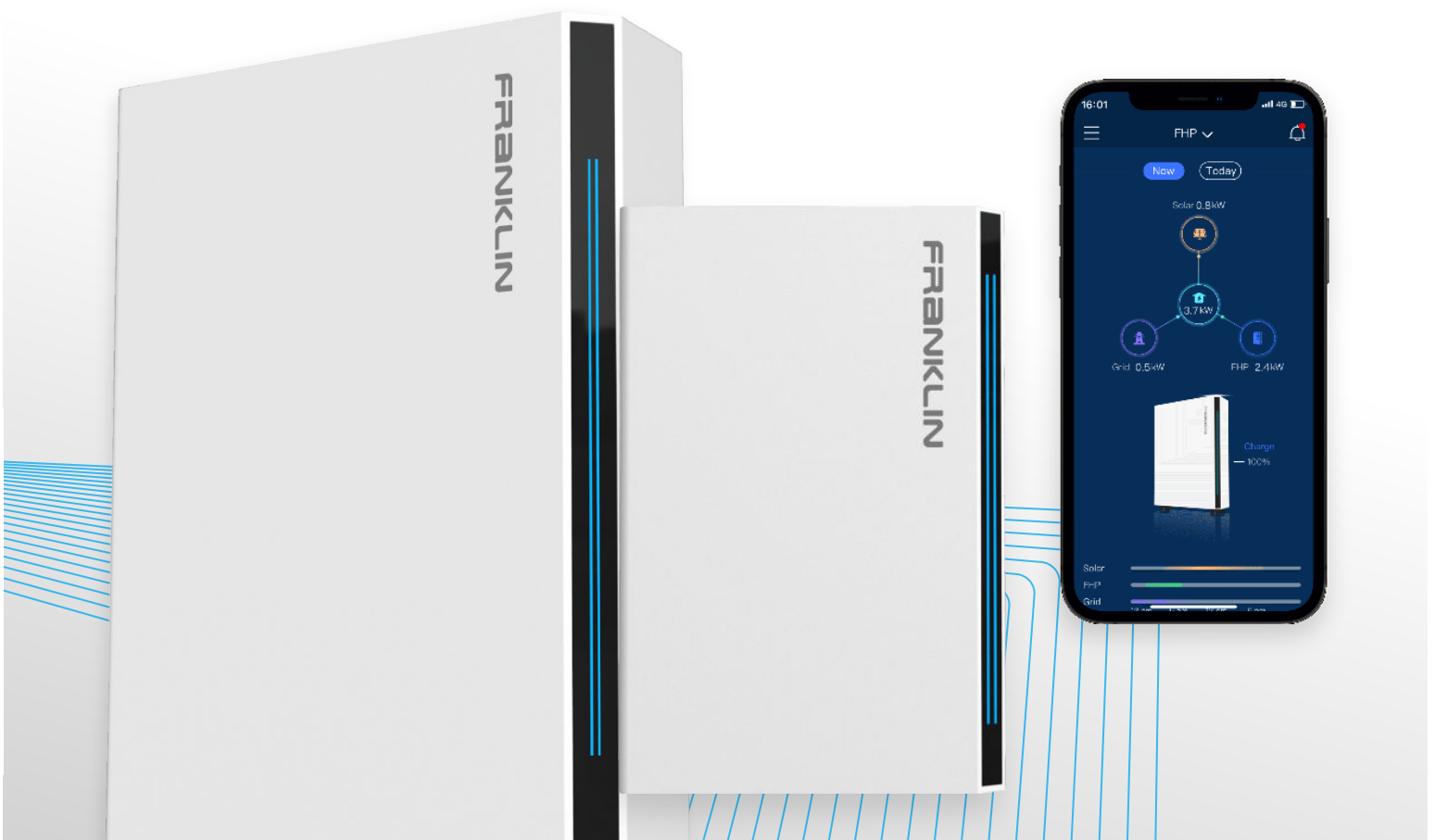


aPower + aGate

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”)

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 ¹
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% ²
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

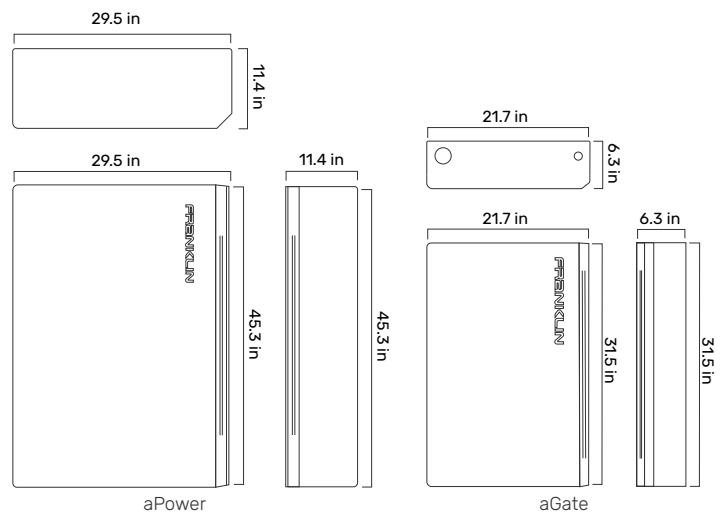
Operating Temperature	-4°F~-122°F(-20°C~50°C)
Operating Humidity (RH)	Up to 100% condensing
Altitude	Maximum 9,843 ft (3,000 m)
Ingress Rating	IP67 (Battery and power converter system) IP56 (Wiring Compartment)
Storage Condition	14°F~-113°F(-10°C~45°C) Up to 95% RH, non-condensing
Enclosure Type	NEMA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



Address: 1 Sansome Street Suite 3500, San Francisco, CA 94104

Telephone: +1 888-837-2655

Email: info@franklinwh.com

Website: www.franklinwh.com



Copyright 2022 FranklinWH Technologies Co., Ltd. All rights reserved. The Franklin logo, FranklinWH, and other trademarks or service names are the trademarks of FranklinWH Technologies. The document is for informational purposes only, data subject to change. 2022-04-14