

Franklin Home Power

Whole Home Energy Freedom



Franklin Home Power (FHP) goes well beyond the demand for safe, reliable back-up to optimise daily household energy management, bringing you whole home energy freedom. The core FHP components are the aPower battery, the aGate intelligent controller, and the FranklinWH App.

Robust

- 12-year warranty

Versatile

- Generator and off-grid compatible, black start supported

Safe

- IP67 rated
- LFP battery

Scalable

- 13.6 kWh scalable up to 15

Reliable

- UPS-level and multiple ports backup

AC-coupled

- All AC connections, compatible with micro and string inverter

aPower X-01-AU

aGate X-01-AU

PERFORMANCE SPECIFICATIONS

Coupling	AC Coupled		
Nominal AC Voltage	230 V / 240 V, 50 Hz		
Feed-in Phase	Single Phase, L / N / PE		
Battery Chemistry	Lithium Iron Phosphate (LFP)	Max Over Current Protection Device Per aPower Branch	32 A
Usable System Energy	13.6 kWh per unit, scalability up to 15 units ¹	Max Over Current Protection Device Per Solar Branch ³	63 A
Aggregate Throughput	43 MWh	Max Grid Input Over Current Protection Device	100 A
Maximum Real Power Per Battery	5 kW continuous 10 kW peak for 10 seconds	Max Over Current Protection Device for Backup Loads	80 A
Rated Backup Output Current	21.7 A	Max Generator Input Over Current Protection Device ⁴	100 A
Maximum Output Fault Current	32 A	Max Over Current Protection Device Per Smart Circuits Branch ⁵	63 A
Round Trip Efficiency	89% ²	Communications	4G / WiFi / Ethernet
Maximum Supply Fault Current		10 kA	
Work Modes	Self-Consumption, Time of Use, Emergency Backup		
Warranty	12 years ⁶		

ENVIRONMENTAL SPECIFICATIONS

Ingress Rating	IP67 (Battery and power converter system), IP56 (Wiring compartment)	Ingress Rating	IP55
Operating Temperature	-20°C to 50°C		
Operating Humidity (RH)	Up to 100% RH, condensing		
Altitude	4,000 m		
Environment	Indoor and Outdoor		
Noise Emission (Optimal)	< 30 dB (A) ⁷		

MECHANICAL SPECIFICATIONS

Dimensions (H x W x D)	1150 mm x 750 mm x 290 mm	Dimensions (H x W x D)	650 mm x 480 mm x 160 mm
Weight	185 kg	Weight	13.5 kg
Mounting	Wall mount or floor mount		

COMPLIANCE INFORMATION

Certifications	IEC / EN 62109-1, IEC / EN 62109-2, IEC / EN 62477-1, AS / NZS 4777.2, IEC 61727, IEC 62116, IEC / EN 62040-1, IEC / EN 61439-1, IEC / EN 61439-3
Seismic	AC 156, OSHPD, IEEE 693-2005 (high)
Environmental	RoHS Directive 2011 / EU
Emissions	IEC 61000-6-1, IEC 61000-6-3

- For support of more than 4 parallel aPowers, please contact us.
- At beginning of life, AC to battery to AC, 50% power rating.
- Two solar branch circuits are supported per aGate.
- Generator module is optional.

- Smart circuits module are optional with two circuits supported per aGate
- Refer to Franklin Home Power Limited Warranty for Terms and Conditions.
- 5.5kW discharge power, no fan running.

