

FranklinWH Home Energy Management System



The FranklinWH System goes well beyond the demand for safe, reliable backup to optimise daily household energy management, bringing you whole home energy freedom. The core components in the FranklinWH System are the aPower battery, the aGate intelligent controller, and the FranklinWH App.

Robust

- 12 years or 60 MWh throughput warranty
- Resilient, all-metal casing

Versatile

- Inverter & generator agnostic
- Black start capable, off-grid ready

Safe

- IP67 weatherproof, C5 salt resistance
- LFP cells & Automotive-grade components

Scalable

- 15 kWh scalable up to 225 kWh per aGate
- Up to 20 kw continuous with 4+ aPowers¹

Reliable

- Per-unit testing to ensure superior consistency
- Compared to batch testing

AC-coupled

- Easy & fast retrofit setup
- Supports 1, 2, & 3 phase configurations

SPECS

Product Model	aPower X-01-AU	aPower X-02-AU
Battery Chemistry	Lithium Iron Phosphate (LFP)	Lithium Iron Phosphate (LFP)
Usable Energy	13.6 kWh	15 kWh
Aggregated Throughput Energy	43 MWh	60 MWh
Rated Output Power	5 kW (per aPower with a system maximum of 20kW)	
Peak Power	10 kW for 10 sec (per aPower with a system maximum of 40kW) ¹	
Rated Current	21.7 A	
Maximum Current	24.5 A	
Maximum Circuit Protection Device	32 A	
Round Trip Efficiency	89% ²	
Warranty	12 years ³	

Product Model		aGate X-01-AU			
AC Input (Grid)	Max. Current (A)	80 A	PV	Max. Current (A) ³	50 A for single input or 31.5 A per PV Input
	Max. Protection Device (A)	100 A		Max. Protection Device (A)	63 A
AC Output (Back-up)	Max. Current (A)	80 A	Generator ⁴	Max. Current (A)	80
	Max. Protection Device (A)	80 A		Max. Protection Device (A)	100
AC Output (Non Back-up)	Max. Current (A)	63 A	Smart Circuits ⁵	Max. Current (A)	50 A for single output or 31.5 A per output
	Max. Protection Device (A)	63 A		Max. Protection Device (A)	63 A
aPower	Max. Current (A)	24.5 A	Communications	4G / WiFi / Ethernet	
	Max. Protection Device (A)	32 A			
Maximum Supply Fault Current		10 kA			
Work Modes		Self-Consumption, Time of Use, Emergency Backup			
Warranty		12 years ⁶			

Environmental Specifications	aPower X-01-AU / aPower X-02-AU	aGate X-01-AU
Ingress Rating	IP67 (Battery and power converter system), IP56 (Wiring compartment)	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	650 mm x 480 mm x 160 mm
Weight	185 kg	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

1. For support of more than 4 parallel aPowers, please contact us.

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

3. Two solar branch circuits are supported per aGate.

4. Generator module is optional.

5. Smart circuits module are optional with two circuits supported per aGate.

6. Refer to Franklin Home Power. Limited Warranty for Terms and Conditions.

7. 5kW discharge power, no fan running.



The aGate X-01-AU (SKU: AGT-R1V1-AU) and the aPower X-02-AU (SKU: APR-05K15V1-AU) are available in Australia and New Zealand. For product availability in other regions, please visit our official website or contact a local authorized dealer.

Website: www.franklinwh.com Email: info-au@franklinwh.com Hotline: 1800 161 300

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