FRANKLINWH

aGate

Intelligent energy management system

Serves as the controller for all home power sources by interconnecting solar, grid, batteries, and a standby generator to supply electricity to the home. Seamlessly transitions the home supply from grid power to backup power so that always-on appliances, such as the refrigerator and network router, will not be affected when grid goes down.



12 Years Warranty

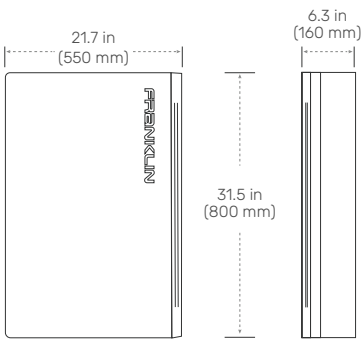
- Micro-grid interconnect device (MID)
- Integrated PV and grid metering
- Auto load-shedding
- Compatible with micro and string solar inverter
- Optional Smart-Circuits Module
- Optional Generator Module

PERFORMANCE SPECIFICATIONS

Model Number	aGate X
Coupling	AC-coupled
Nominal AC Voltage	120 / 208 V, 120 / 240 V, 60 Hz
Phase	2 W+N+PE
aPower Over Current Protection Device	100 A Max
Solar Input Over Current Protection Device	80 A Max
Backup Load Port Over Current Protection Device	200 A Max
Generator Over Current Protection Device[1]	200 A Max
Smart Circuits Over Current Protection Device[2]	Opt. a 1 × 80 A Max @ 208 V / 240 V & 1 × 50 A Max @ 208 V / 240 V Opt. b 1 × 80 A Max @ 208 V / 240 V & 2 × 50 A Max @ 120 V
Maximum Supply Fault Current	20 kA
Busbar Rating	280 A
Work Modes	Self-Consumption, Time of Use, Emergency Backup
Communications	Ethernet / 4G / Wifi
User Interface	FranklinWH App
Warranty	12 years

MECHANICAL SPECIFICATIONS

Dimensions (H × W × D)	31.5 in × 21.7 in × 6.3 in (800 mm × 550 mm × 160 mm)
Weight	50 lb (23 kg)
Mounting	Wall mount or floor mount



COMPLIANCE INFORMATION

Certifications	UL 1741[3], UL 1741 PCS[3], UL 67[3], UL 869A[3], UL 916[3], CAN/CSA C22.2 No. 107.1-16, CSA C22.2 No. 29, CSA C22.2 No. 0.19
Seismic	AC 156, OSHPD, IEEE 693-2005 (high)
Environmental	California Proposition 65 RoHS Directive 2011 / EU
Emissions	FCC Part 15 Class B, ICES 003

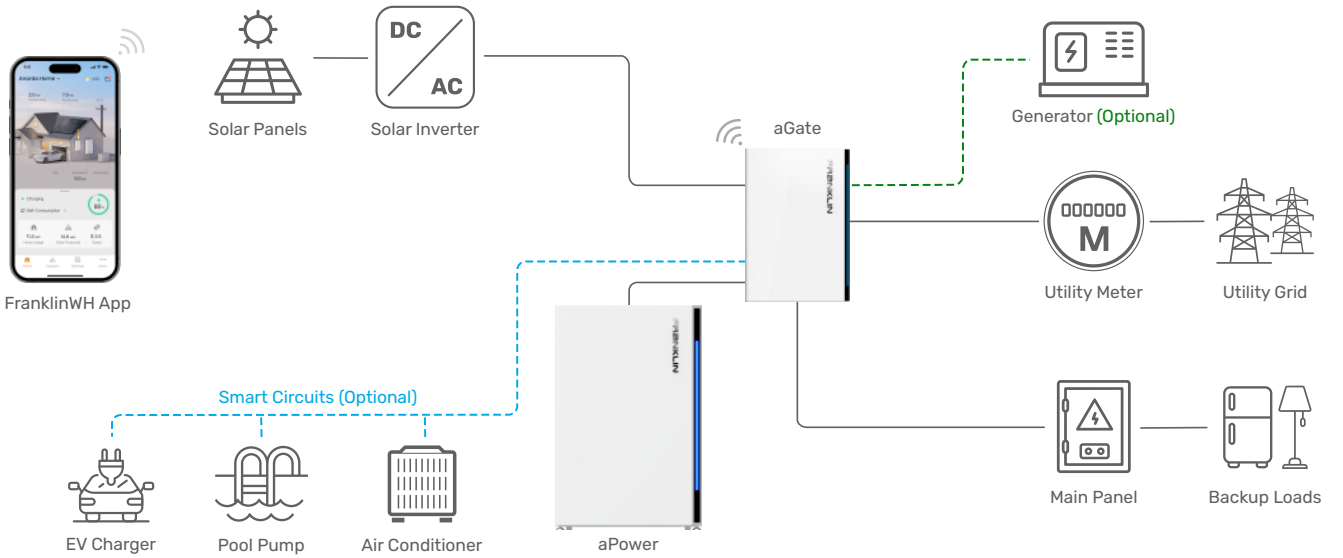
ENVIRONMENTAL SPECIFICATIONS

Enclosure Type	NEMA 3R
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)
Environment	Indoor and outdoor rated

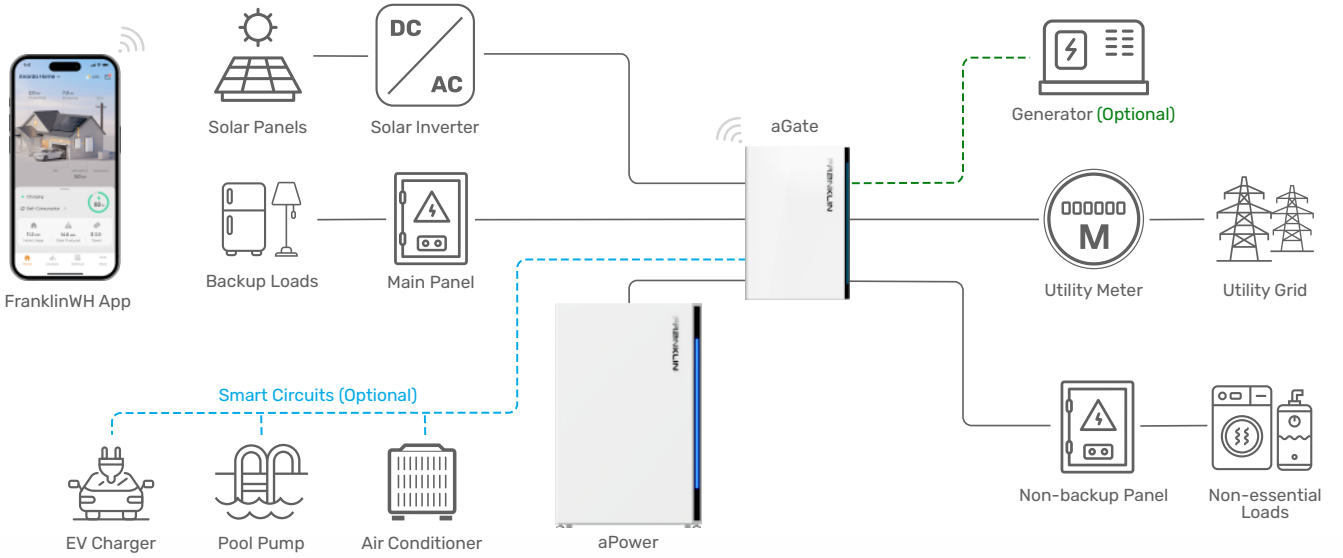
1. Generator Module is optional.
2. Smart Circuit Module is optional.
3. Sections from these standards were used during the safety evaluation and included in the UL 1741 listing.

Franklin Home Power Solution

Whole Home Backup



Partial Home Backup



The aGate X 1.1 (SKU: AGT-R1V1-US) is available in United States and Canada.
For product availability in other regions, please visit our official website or contact a local authorized dealer.

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