

aGate

Intelligent energy management system

The aGate serves as the controller for all home power sources by interconnecting solar, grid, batteries, and a standby generator to supply electricity to the home. It 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 the grid goes down.

The aGate can be installed at the service entrance, connected to the main load center, or used as a load center.



Robust

- ✓ Micro-grid interconnect device (MID)
- ✓ EMS Integrated PV and grid metering
- ✓ UL1741 certified PCS function & 280A busbar to avoid Main Panel Upgrades
- ✓ 12-year limited warranty



Hassle-free

- ✓ Precise control of electricity usage through Smart Circuits Module
- ✓ Standby generator integration via generator module
- ✓ Remarkable black start function ensures battery charge after a prolonged outage or extended trip
- ✓ Vehicle to loads (V2L) function to power essential home appliances during an emergency
- ✓ Commissioning through the aGate Wifi hotspot or Bluetooth



Flexible

- ✓ Compatible with micro and string solar inverter
- ✓ Indoor and outdoor / wall-mounted



Easy installation

- ✓ Built-in design Smart Circuits and Generator Modules
- ✓ Conduit entry options from the bottom, left, or right



PERFORMANCE SPECIFICATIONS

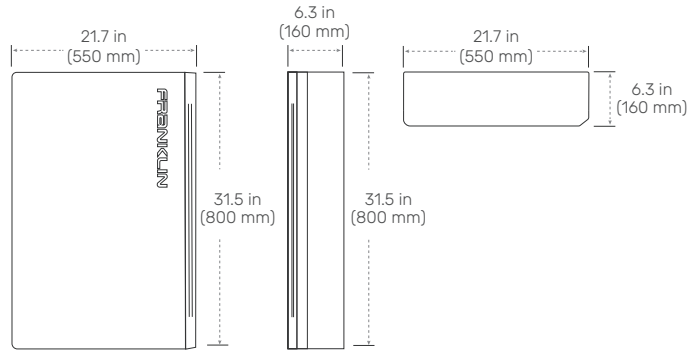
| | |
|--|--|
| SKU | AGT-R1V2-US |
| Model Number | aGate X |
| Coupling | AC-coupled |
| Nominal AC Voltage | 120 / 208 V, 120 / 240 V, 60 Hz |
| Phase | 2 W+N+PE |
| Grid Input Over Current Protection Device | 200 A Max |
| aPower Over Current Protection Device | 125 A Max |
| Solar Input Over Current Protection Device | 80 A Max |
| Backup Load Port Over Current Protection Device | 200 A Max |
| Non-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 | 22 kA |
| Busbar Rating | 280 A |
| Work Modes | Self-Consumption, Time of Use, Emergency Backup |
| Communications | Ethernet / 4G / Wifi / Bluetooth |
| User Interface | FranklinWH App |
| Warranty | 12-year limited |
| IEC Protective Class | Class I |
| Over voltage Category | Category II |
| AC Meter | +/- 0.5% |

COMPLIANCE INFORMATION

| | |
|----------------|---|
| Certifications | UL 1741, UL 1741 PCS, UL 67, UL 869A, UL 916, 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 |

MECHANICAL SPECIFICATIONS

| | |
|------------------------|--|
| Dimensions (H × W × D) | 31.5 in × 21.7 in × 6.3 in (800 mm × 550 mm × 160 mm) |
| Weight | 38.6 lb (17.5 kg) |
| Mounting | Wall mount |



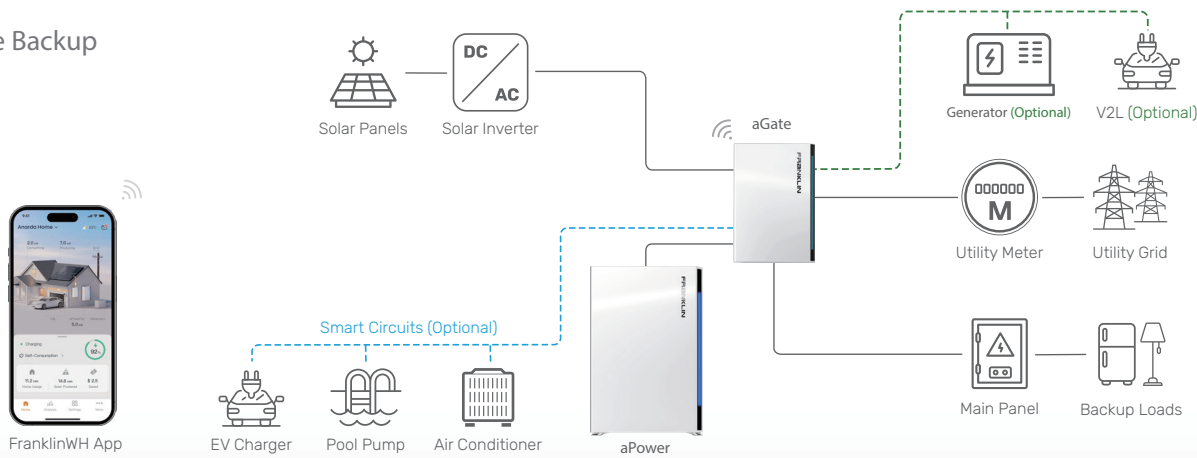
1. Generator Module is optional.
2. Smart Circuit Module is optional.

ENVIRONMENTAL SPECIFICATIONS

| | |
|-------------------------|-------------------------------|
| Enclosure Type | NEMA Type 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 |

Franklin Home Power Solution

Whole Home Backup



The aGate X 1.3 (SKU: AGT-R1V2-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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