FRANKLINWH

aHub

FranklinWH System Expansion unit to extend energy and load management



The aHub serves as a unified energy distribution hub, integrating multiple energy inputs and household loads within a single enclosure. Managed by the FranklinWH aGate or Meter Adapter Controller (MAC), it enables advanced energy dispatch strategies and intelligent resource management.

- Adaptable interface, robust integration
- Solar retrofit-friendly
- Smart Circuits
- aPower connection enabled (with MAC)
- Unified management
- 15-year warranty

Solar Optimization

Accommodates up to four AC-coupled PV arrays with 24 kW total capacity, maximizing renewable energy utilization for Net Energy Metering (NEM) applications and retrofit installations.

Smart Circuits Management

Configurable circuit architecture supports up to four 240 V /208 V or eight 120 V circuits with programmable scheduling and remote control via the FranklinWH App, enabling customized energy consumption patterns.

Generator/Vehicle-to-Load(V2L) Compatibility

Each aHub supports connection to 240 V standby and portable generators, providing enhanced backup power during prolonged outages. It can also leverage electric vehicles with V2L capability as an alternative power source for greater flexibility.

aPower connectivity

Within the Meter Adapter Controller (MAC), when the main service panel has no available breaker spaces, up to three aPower units may be connected via the aHub, offering flexibility in installation and layout.

Performance Specifications

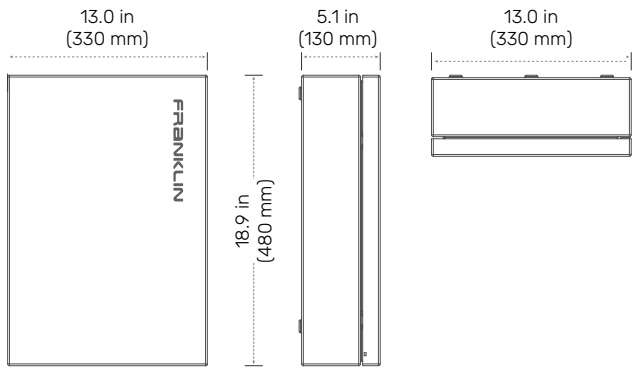
Name	aHub
SKU	ACCY-AHUBV1-US
Nameplate Model	aHub-20-04
Certification Name	aHub-yy-yy
Nominal AC Voltage	120 / 240 Vac[1], 120 / 208 Vac[1], 60 Hz
Port 1	PV AC/Smart Circuit/aPower[2]
Port 2	PV AC/Smart Circuit/aPower[2]
Port 3	PV AC/Smart Circuit/aPower[2]
Port 4	Generator/V2L/PV AC/Smart Circuit
O.C. Upstream Protection Device Max	125 A max
Over Current Protection Device Max	Port 1: 60 A Port 2: 60 A Port 3: 60 A Port 4: 100 A
Maximum Continuous Current	Main Port: 100 A Port 1: 48 A Port 2: 48 A Port 3: 48 A Port 4: 80 A

Maximum Short-Circuit Current Rating	10 kA
Communications[3]	CAN, RS485
Unit Scalability	Max 4*CAN / 3*CAN + 1*RS485
User Interface	FranklinWH App
Warranty	15-year
IEC Protective Class	Class I
Over Voltage Category	OVC III

1. Adapt for 120 / 240 Vac, 120 / 208 Vac with aGate, and 120 / 240 Vac with MAC.
2. aPower connection is supported only in a MAC configuration.
3. CAN: 0-50m, RS485: 50-100m. Generator, V2L and aPower connections are compatible only with CAN communications.

Mechanical Specifications

Dimensions (H × W × D)	18.9 in x 13.0 in x 5.1 in 480 mm x 330 mm x 130 mm
Weight	14 lbs (6.5 kg)
Mounting	Wall mount



Compliance Information

Compliance	UL 1741, UL 1741 PCS, UL3141 CSA C22.2 No. 107.1-16
Environment	California Proposition 65, RoHS Directive 2011 / EU
Emissions	FCC PART15 CLASS B

COMPATIBILITY: The aHub is compatible with the Meter Adapter Controller, aGate 1.3, aGate 1.3.1 controllers with aPower 2, aPower S battery units.

Environmental Specifications

Enclosure Type	NEMA Type 3R
Operating Temperature	-4° F to 122° F (-20° C to 50° C)
Storage Temperature Range	-22° F to 140° F (-30° C to 60° C)
Operating Humidity (RH)	Up to 100% RH, condensing
Altitude	Maximum 9,843 ft (3,000 m)
Environment	Indoor and outdoor rated

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