

# aHub

FranklinWH System Expansion unit to expand energy and load management



Within the FranklinWH System, aHub enhances home energy distribution by supporting multiple energy inputs and household load integration. Managed by the FranklinWH aGate or Meter Adapter Controller, it enables advanced energy dispatch strategies and intelligent resource management.

- ✓ Adaptable interface, robust integration
- ✓ Solar retrofit-friendly
- ✓ Smart Circuits

- ✓ Unified management
- ✓ 15-year warranty

## Solar Optimization

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

## Generator Compatibility

aHub supports 240 V standby and portable generators connections for enhanced backup during prolonged outages.

## Smart Circuits Management

Configurable circuit architecture supports up to 4x240 V or 8x120 V circuits with programmable scheduling and remote control via the FranklinWH App, enabling customized energy consumption patterns.

## Vehicle-to-Load (V2L) Compatibility

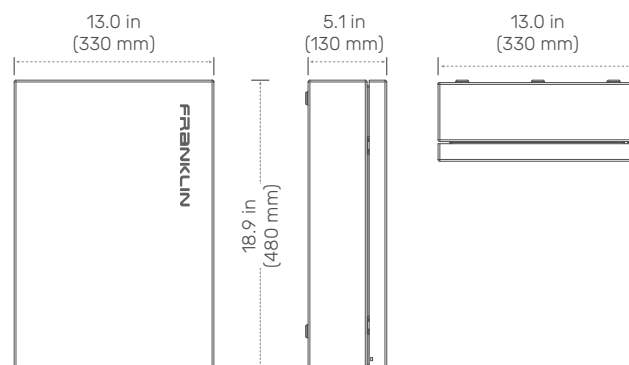
Leverages electric vehicles with V2L capability as alternative power sources for enhanced flexibility.

### PERFORMANCE SPECIFICATIONS

Name	aHub
SKU	ACCY-AHUBV1-US
Nameplate Model	aHub-20-04
Certification Name	aHub-yy-yy
Nominal AC Voltage	120 / 208 Vac, 120 / 240 Vac, 60 Hz
Port 1	Smart Circuit
Port 2	PV/Smart Circuit
Port 3	PV/ Smart Circuit
Port 4	Generator/V2L/PV/Smart Circuit
O.C. Upstream Protection Device Max	125 A max
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	CAN, RS485*
User Interface	FranklinWH App
Warranty	15-year
IEC Protective Class	Class I
Over voltage Category	OVC III

### MECHANICAL SPECIFICATIONS

Dimensions (H x W x 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



\* RS485 communications is used for connecting long-distance solar systems. Please refer to the installation manual for usage instructions.

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 Meter Adapter Controller, aGate 1.3, aGate 1.3.1, aPower 2, aPower S.

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

