

# aPower 2

## AC-coupled battery

Store solar generated power while the sun is shining. Use the stored energy when needed to lower electric bills. Run heavy loads such as air conditioners and water heaters as usual even during grid outages. Provide homeowner peace of mind by fully charging before severe weather events.

- ✓ 10 kW continuous / 15 kW peak for 10s
- ✓ 8 kW charge power
- ✓ 15 kWh per unit, up to 225 kWh (15 units) per aGate
- ✓ 10,000 battery cycles
- ✓ 60 MWh throughput

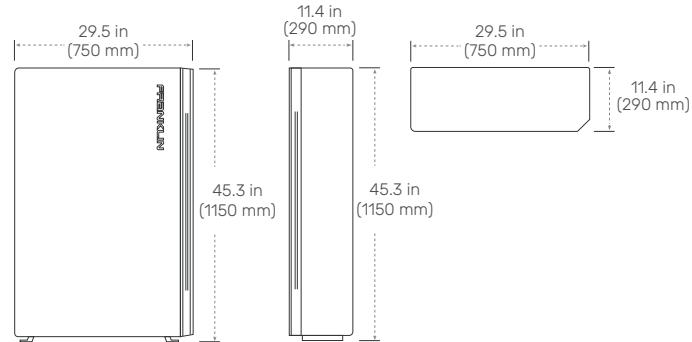


### PERFORMANCE SPECIFICATIONS

Model Number	aPower X-20
Battery Chemistry	Lithium Iron Phosphate (LFP)
Usable System Energy	15 kWh per unit, up to 15 units per aGate <sup>1</sup>
Aggregate Throughput	60 MWh
Real Power (charge)	8 kW continuous
Real Power (discharge)	10 kW continuous, 15 kW peak for 10 seconds
Nominal AC Voltage	120 / 208 V, 120 / 240 V, 50 Hz / 60 Hz
Coupling	AC-coupled
Phase	2 W+N+PE
Round Trip Efficiency	90% <sup>2</sup>
Work Modes	Self-Consumption Time of Use Emergency Backup
Noise Emission	30 dB(A) <sup>3</sup>
User Interface	FranklinWH App
Warranty	15 years

### MECHANICAL SPECIFICATIONS

Dimensions (H x W x D)	45.3 in x 29.5 in x 11.4 in (1150 mm x 750 mm x 290 mm)
Weight	357 lb. (162 kg)
Mounting	Wall or floor mount
Cooling	Natural air-cooled design



### COMPLIANCE INFORMATION

Certifications	UL 9540, UL 9540A, UL 1973, UL 1741, UL1741 SB, UL 1741 PCS, IEEE 1547, IEEE 1547.1, UN 38.3, CSA C22.2 No. 107.1:16
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	Type 3R
Ingress Protection	IP65 (Wiring) IP67 (Battery Pack & Inverter)
Operating Temperature	-4° F to 130° F (-20° C to 55° C)
Operating Humidity (RH)	Up to 100% RH, condensing
Altitude	Maximum 9,843 ft (3,000 m)
Environment	Indoor and outdoor rated

1. For 120/208V applications, max. 2 aPowers per aGate can be connected in parallel. Please contact us if you have large capacity requirements.
2. At beginning of life, AC to battery to AC, 30% power rating.
3. An ambient temperature of 30°C and a load consumption of 1 kW.

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