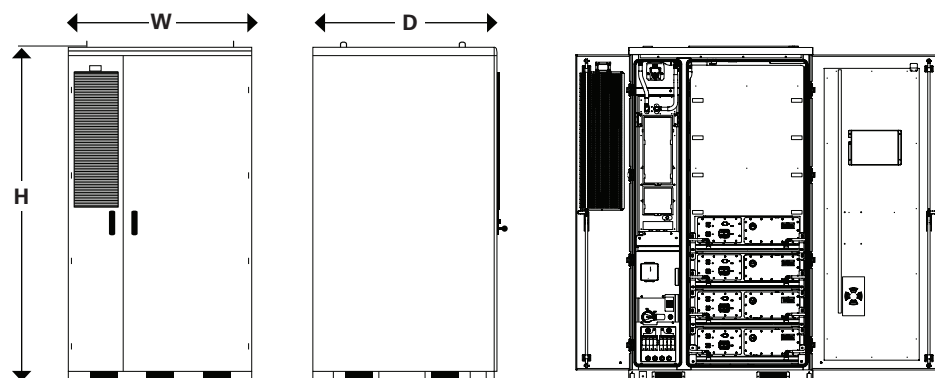


Energy Storage for Community, Commercial and Industrial Applications

The AES 210HV Outdoor Energy Storage Cabinet delivers 209 kWh of usable energy through seamless integration with high voltage hybrid C&I inverters. Pre-assembled and shipped as a complete solution, the AES 210HV drastically reduces installation time and on-site costs. Designed with integrated liquid cooling and heating, it sets the performance standard for battery energy storage even in the harshest environments, making it the ideal choice for commercial and industrial energy resilience. Custom configurations are available.

MECHANICAL DRAWINGS



FEATURES AND BENEFITS

MODULAR SCALABILITY

- 200 kWh to 5 MWh.

LYNK II GATEWAY

- Closed-loop charging with C&I hybrid Inverters.

LYNK CLOUD

- Remote configuration and monitoring.

INVERTER-AGNOSTIC

- Compatible with a wide range of C&I hybrid inverters.

RAPID DEPLOYMENT

- Preassembled, plug-and-play design for fast installation.

OUTDOOR

- NEMA 3R (IP55).

THERMAL COOLING

- Liquid cooling/heating ensures performance stability in extreme environments.

SAFE

- Heat and Smoke Detection, Passive Deflagration Ventilation, Fire Suppression.

CERTIFIED

- UL1973, UL9540A, UL9540 (pending).

ELECTRICAL SPECIFICATIONS

Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)
Nominal Energy Capacity	212kWh
Usable Energy Capacity	209kWh
Roundtrip Efficiency	94% (25°C, 0.5C)
System Nominal Voltage	665.6V
System Operating Voltage	603.2V - 738.4V
Battery Configuration	208S1P (4 packs @ 52S1P)
Nominal Cell Capacity	320AH
Usable Cell Capacity	314AH
Continuous Current	157A (C/2)
Internal Fuse Rating	315A
Battery Max. Continuous Power	104.5kW (25°C, 665.6VDC, 0.5C)
DC Connections	Four (+) Four (-) (63A Fused)

MECHANICAL SPECIFICATIONS

Product Dimensions (WxDxH)	1300x1300x2374 mm (51.2x51.2x93.4 in)
Net Weight	2,490kg (5,490lb)
Material and Finish	Steel - Corrosion Resistant Powder Coat
Thermal Management System (TMS)	Integrated Liquid Chiller/PTC System
Max TMS Power Input	4.5 kW (Cooling) 3.5 kW (Heating)
Coolant Type	50% Water / 50% Ethylene Glycol
Chiller Refrigerant	R-513A
Operating Temperature	-30°C to 55°C (-22°F to 131°F)
Storage Temperature	-20°C to 45°C (0°F to 110°F)
Relative Operating Humidity	0-95% (non-condensing)
Ingress Rating	Outdoor IP55 (NEMA 3R)
Noise Level @ 1m	≤ 75 dB
Auxiliary AC Input	240VAC (±15%) 30A (480/240VAC 5KVA Outdoor Transformer Included)

WARRANTY

Base Performance Warranty	10 years (1658.4 MWh Total Energy Throughput)
Warranty Extension	10 years, 15 years, 20 years

SAFETY AND STANDARDS

Emergency Features	Smoke and Heat Detection System, Pack and Cabinet Level Aerosol Fire Suppression System, Emergency Siren and Strobe Alarm, External Emergency Stop Button, Passive Deflagration Ventilation System
Certifications	UN38.3, UL1973, UL9540A, UL9540 (Pending)



LYNK II GATEWAY AND CLOUD

FASTER CHARGING - REMOTE CONFIGURATION - MONITORING

Enable closed-loop charging with C&I high-voltage hybrid inverters. Remotely configure and monitor the AES 210HV with LYNK Cloud. Learn more online.

