



Transmission/Distribution and Telecommunications

Utility Enclosures



VaultFlex™ utility enclosures provide a secure, thermally managed environment for your substation and communication batteries, and are designed with modular construction to accommodate a wide range of backup requirements.

Available options include an integrated battery charger, NERC™ compliant battery monitoring and DC distribution.

Features and Benefits

- Free up space in your substation control room by putting batteries outside
- Supports 48V and 120V strings of Valve Regulated Lead Acid (VRLA) and Vented Lead Acid (VLA) flooded batteries
- Available with Zone 4 or IEEE 693 seismic certified battery racks
- Reduced cooling costs and extended battery life compared to other outdoor enclosures
- Built-in security features
- Reduced capital and operational expenses and a lower Total Cost of Ownership (TCO) compared to other outdoor solutions
- EnerSys® service and installation available
- Designed to handle extreme ambient temperatures from -27°F (-33°C) to 113°F (45°C)

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RESERVE
POWER

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Exterior

- Cabinet – 0.100" (2.5mm) aluminum
- Battery rack(s) – steel construction
- Finish – ultra light gray polyester powder coat
- Insulation – on cabinet walls and roof

Door/Side/Top Panels

- Doors – front door(s) and rear access panels
- Door handles – pad-lockable
- Door hinges – hidden hinges

Cable Entry

- Ingress/Egress – knockouts available

Mounting Options

- Pad mountable with corrosion inhibiting pad gasket or optional plinth for single bay solutions

Interior

- Battery racks accommodate 48V or 120V strings of EnerSys® batteries, ranging from 100Ah to 535Ah

Other Features

- Climate unit alarm
- Provisions for hydrogen sensor alarm
- Interior cabinet light with door activated switch
- GFI protected convenience outlet

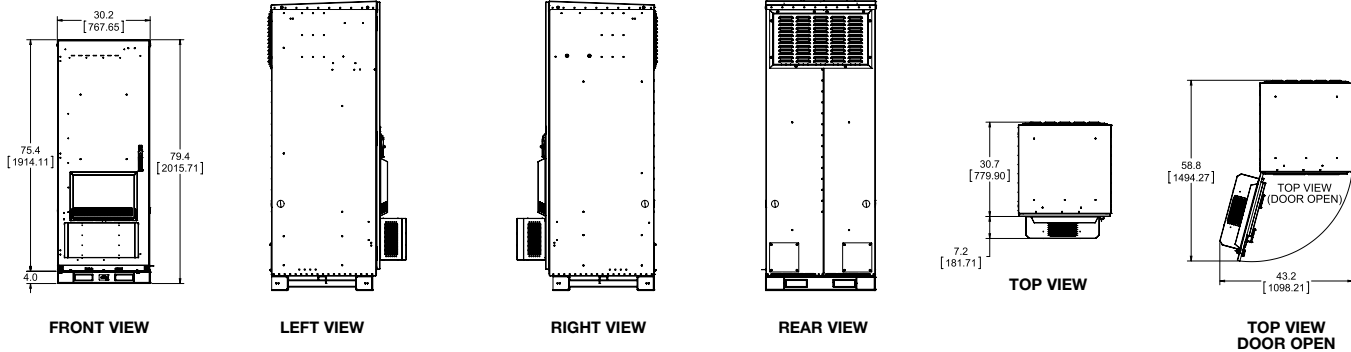
Standards

- IEEE Zone 4 seismic battery racks available
- Designed to meet hydrogen evacuation criteria per NFPA 70/IEEE 450

Enclosure	Exterior Dimns (W / D / H) (in / mm)	Thermal Management
Single Bay	30.2" x 30.7" x 79.4" 767.65 x 779.90 x 2015.71	Direct Air Cooling (DAC) for equipment
Dual Bay	65.2" x 35.9" x 75.2"* 1656.39 x 910.6 x 1909.8	Thermo-Electric Cooling (TEC) or Air Conditioning (ACU) for batteries

*Width can grow substantially due to modular construction to accommodate large strings

Single Bay Enclosure



NOTE: All measurements are shown in inches (millimeters).

Dual Bay Enclosure

