

Flexible C&I Solution

OUTDOOR DC ENERGY STORAGE CABINET



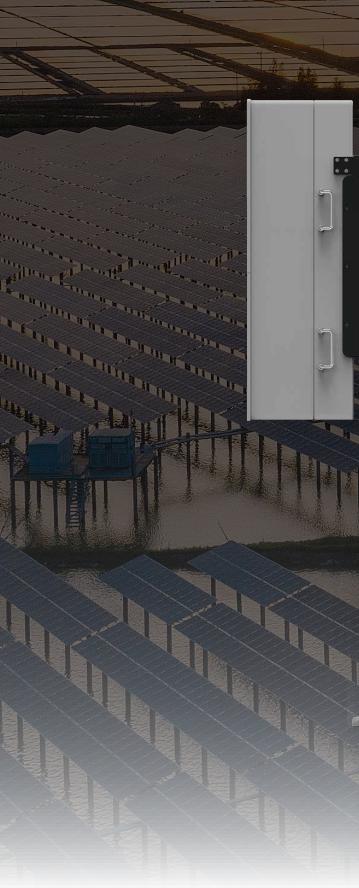
Flexible Configuration



Outdoor Rating



Active Fire Protection



HV48100 se



Safe

- Tier 1 automotive grade LFP cells
- BMS multi-level monitoring and protection
- 4-layer active fire suppression system



All-Weather

- Air cooling adapts to high-temperature operating environments
- Integrated heating system ensures low-temperature operation
- Built-in module-level fans minimizes internal temperature differentials
- IP55 rating for indoor and outdoor installation



Scalable

- Max 76.8kWh rated energy per cabinet
- Stack up to 6 cabinets in parallel per inverter



Smart

- Remote monitoring with PYTES Battery Cloud



Flexible

- Versatile configuration options to match input voltage ranges for different inverters
- Cabinet exterior designed to accommodate various inverter models

Applications



| Battery Module | | | | | | | | |
|---------------------------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|
| Battery Chemistry | Lithium Iron Phosphate (LFP) | | | | | | | |
| Battery Module Energy | 5.12kWh | | | | | | | |
| Battery Module Nominal Voltage | 512V | | | | | | | |
| Battery Module Nominal Capacity | 100Ah | | | | | | | |
| External Comm.Port | CAN, RS485 | | | | | | | |
| System | | | | | | | | |
| Battery Module Internal Configuration | 5S2P | 6S2P | 7S2P | 12S1P | 13S1P | 14S1P | 15S1P | |
| Rated Energy | 5120kWh | 6144kWh | 71.68kWh | 6144kWh | 66.56kWh | 71.68kWh | 76.80kWh | |
| Rated Power | 25.60kW | 30.72kW | 35.84kW | 30.72kW | 33.28kW | 35.84kW | 38.40kW | |
| Operating Voltage | 227V~284V | 273V~341V | 318V~398V | 546V~682V | 591V~738V | 637V~795V | 683V~852V | |
| Charge/Discharge Current | 100A | | | 50A | | | | |
| Max. # Cabinet per Inverter | 3 | | | 6 | | | | |
| General | | | | | | | | |
| Dimensions (WxDxH) | 1200x1100x2015 mm (47x43x79 in) | | | | | | | |
| Weight | 2238 lbs (1015 kg) | 2458 lbs (1115 kg) | 2679 lbs (1215 kg) | 2425 lbs (1100 kg) | 2535 lbs (1150 kg) | 2645 lbs (1200 kg) | 2756 lbs (1250 kg) | |
| Operating Temperature | -4°F ~122°F (-20°C ~50°C) | | | | | | | |
| Ingress Rating | IP55 | | | | | | | |
| Operating Altitude | 3000 m (9843 ft) | | | | | | | |
| Relative Humidity | 0~95% non-condensing | | | | | | | |
| Heating Pad Power Input | 150W/battery module | | | | | | | |
| Fire Suppression System | | | | | | | | |
| Level 1: Detection & Ventilation | Hazardous gas detection activates ventilation system | | | | | | | |
| Level 2: Aerosol Suppression | Heat and smoke detection activates aerosol fire suppression system | | | | | | | |
| Level 3: Pressure Relief | Explosion relief valve will open if internal pressure becomes too high | | | | | | | |
| Level 4: Fire Hose Port | Includes fire hose connection port for firefighting personnel | | | | | | | |
| HVAC | | | | | | | | |
| Max. Cooling Capacity | 6824 BTU/hr (2000W) | | | | | | | |
| Max. Heating Capacity | 3583 BTU/hr | | | | | | | |
| Ingress Protection Rating | IP55 | | | | | | | |
| Warranty and Certification | | | | | | | | |
| Product Warranty ¹ | 10 years | | | | | | | |
| Certifications ² | Pending | | | | | | | |

1. Operating Conditions 77°F±7°F 0.5C/0.5C, EOL (End of Life) 70% retained capacity.

2. UL 9540, UL 9540A, UL 1973, UL 38.3 certifications are in progress.

