Pytes



Flexible C&I Solution

OUTDOOR DC ENERGY STORAGE CABINET

HV48100 se

Flexible Configuration

IP55
Outdoor Rating

Active Fire Protection



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

Multi-family

Public Facilities

Agriculture

Battery Module							
Battery Chemistry	Lithium Iron Phosphate (LFP)						
Battery Module Energy	5.12kWh						
Battery Module Nominal Voltage	51.2V						
Battery Module Nominal Capacity	100Ah						
External Comm.Port	CAN, RS485						
System							
Battery Module Internal Configuration	5S2P	6S2P	7S2P	12S1P	13S1P	14S1P	15S1P
Rated Energy	51.20kWh	61.44kWh	71.68kWh	61.44kWh	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℉ ~122℉ (-20℃~50℃)						
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 77ºF±7ºF 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.

Pytes
Power a Better Life

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