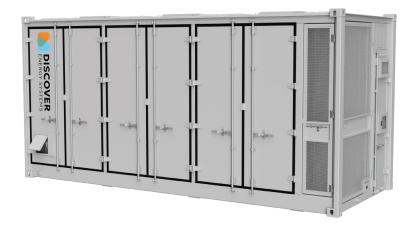


CONTRAINERIZED BESS

Container Energy Storage Solution

The CAES system is a turnkey, high-capacity 20-foot container designed for rapid deployment and scalable energy storage. Engineered for high energy density and fast dispatch, it features integrated liquid thermal management, aerosol fire suppression, dry pipe connection, passive deflagration venting, and active ventilation. Ideal for industrial and utility-scale applications requiring reliable, resilient, and easily integrated storage.



PRODUCT SPECIFICATIONS

CAES Configuration	2.5H-CAES	3.4H-CAES	4.2H-CAES	5.1H-CAES	
Usable Energy	2.51 MWh	3.34 MWh	4.18 MWh	5.02 MWh	
Continuous Power	1.25 MW	1.67 MW	2.09 MW	2.51 MW	
Continuous Current	157 A				
Cells/Rack	416				
Racks	6	8	10	12	
Nominal Voltage	1331.2 V				
Voltage (Max)	1476.8 V				
Voltage (Min)	1164.8 V				
Operating Temperature	-30°C to 55°C (-22°F to 131°F)				
	•				

MECHANICAL SPECIFICATIONS

Product Dimensions (WxDxH)	6.1 × 2.5 × 2.9 m (20 × 8 × 9.5 ft)				
Weight	24,000kg (53,000lbs)	30,000kg (66,000lbs)	36,500kg (81,000lbs)	43,000kg (95,000lbs)	
Material and Finish	Steel - Corrosion Resistant Powder Coat				
Thermal Management System (TMS)	Integrated Liquid Chiller/PTC System				
Cooling Method	Liquid Cooling				
Ingress Rating	Outdoor IP55 (NEMA 3R)				
Communication	CAN, RS485, TCP/IP/Fiber Optic				

SAFETY AND STANDARDS

Certifications

WARRANTY				
Base Performance Warranty	10 years			
Warranty Extension	10 years 15 years 20 years			

Richmond, BC, V6V 2Z8, Canada



UL1973, UL9540A, UL9540, IEC62619, IEC62933, IEC61000

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FEATURES

HIGH ENERGY DENSITY

• 20-ft container with advanced liquid thermal management.

EXCEPTIONAL EFFICIENCY

• Up to 96% round-trip efficiency (RTE) for DC charge and discharge.

 Configurable to meet power and capacity requirements and is simple to expand.

EASY INSTALLATION

• Scalable, customizable, and compatible with third-party SCADA and EMS systems.

RAPID DEPLOYMENT

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

ENHANCED SAFETY

• Includes heat, smoke and gas detection, aerosol fire suppression, and active deflagration ventilation.

NFPA855

• System is 9540A tested to the current standards and compliant with NFPA 855 Standards

CUSTOMIZABLE

• Flexible design configuration with doors and thermal management systems positioned to suit installation requirements.

APPLICATIONS

Industrial Self-Consumption (Arbitrage).

Store energy while demand is low or when renewable output is high and discharge it during peak demand.

Grid Stabilization. Integrate renewable by delivering energy rapidly to balance supply and demand and stabilize frequency.

Microgrid & Off-Grid Support: Enable microgrids and remote off-grid systems with reliable eneray storage.

EV Charging Support: Expand EV charging infrastructure by storing energy on-site without upgrading the utility service connection.