

ENVAULT-CUBE

High-Density Electrostatic Energy Storage

TECHNICAL DATA SHEET



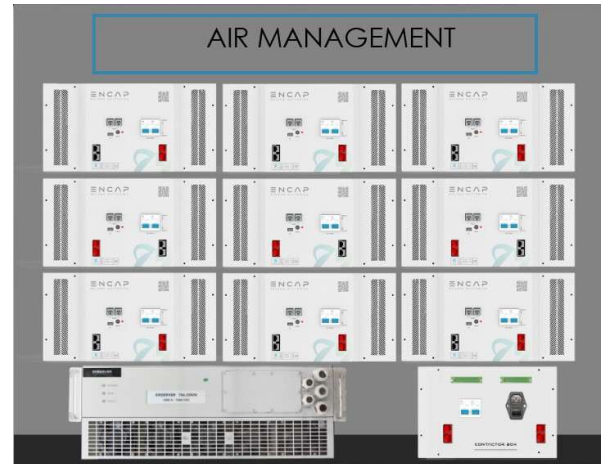
The ENVAULT Cube is an electrostatic energy storage solution integrating a 586-kWh solid-state graphene storage system with a 152 kW ENSERVER (Inverter/EMS). It delivers ultra-fast response, high power density in a compact footprint without fire or propagation risk. Its modular architecture enables flexible deployment and scalable capacity for diverse project needs.

Technical Specifications

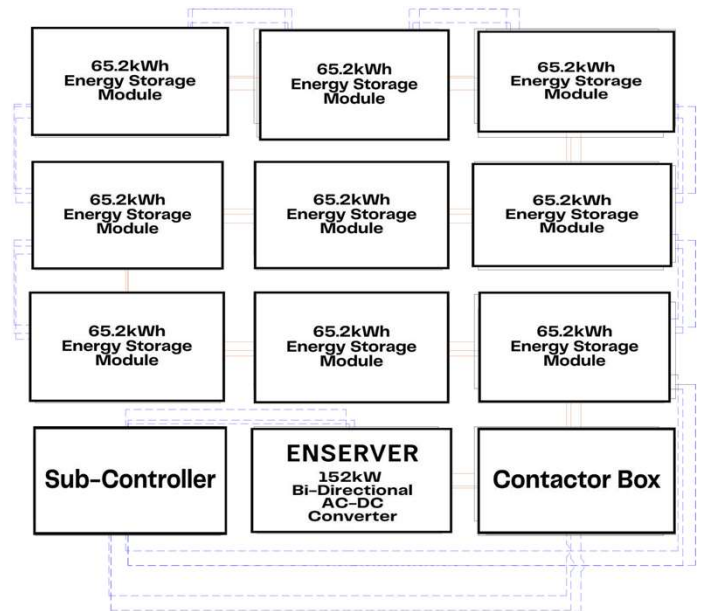
Pack	Cell Capacity	1.36 kWh
	No. of Cells per Pack	16
	Pack's Capacity	21.7 kWh
	Weight per Pack	231.5 lb 105 kg
Module	1 Module Capacity	65.2 kWh
	No. of Packs per Module	3
	Weight per Module	705.5 lb 320 kg
ENVAULT	1 ENVAULT Capacity	586 kWh
	Modules per ENUALT	9
	Dimensions (Feet)	6'6" (L) x 6'6" (W) x 4'11" (H)
	Approximate Weight	3.5 ton
	Contactor Box	1pc
Inverter	ENSERVER Capacity	152 kW
	Input Voltage (Vdc)	1000 V - 1500 V (Customizable)
	AC Input/Output	3P-400 V-50 Hz/60 Hz



Schematic

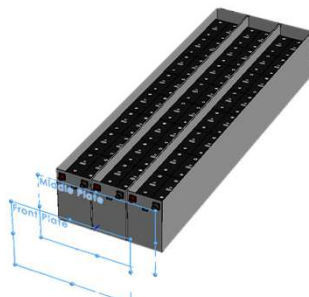


Single Line Diagram (SLD)



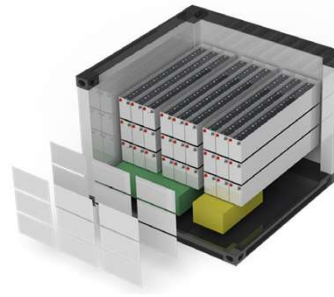
Pack

21.7 kWh



Module

65.2 kWh



ENVAULT Cube

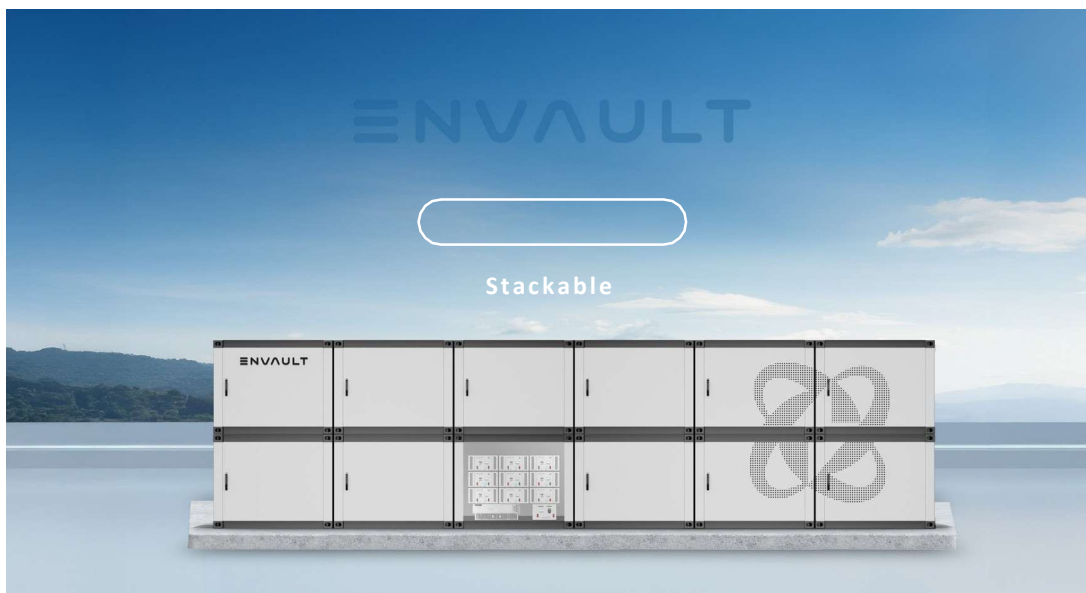
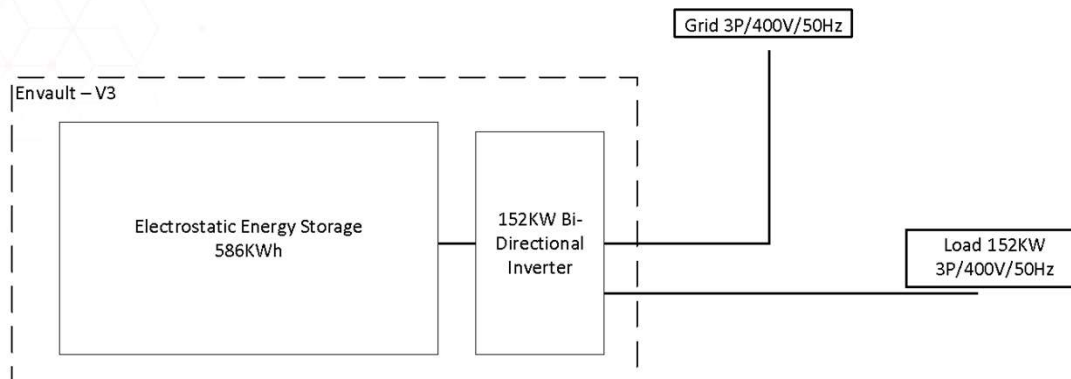
586 kWh



ENSERVER

152 kW

Block Diagram



Applications

Hot Climates



Military



Maritime



Extreme Cold



Commercial



Microgrid



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AC2DC STORAGE
Electrostatic Supercapacitors

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STORAGE SOLUTIONS