

# Energy Rack™



ENERVENUE



P R E L I M I N A R Y

## Simple, Fast, Scalable

The EnerVenue Energy Rack is the ideally sized building block for 1500 Vdc and 1000 Vdc energy storage systems. It leverages EnerVenue's proven technology by combining Energy Storage Vessels™ into a simple, flexible solution that easily scales into the MWh range. At the heart of the Energy Rack lies the industry's most durable, flexible, and versatile battery: Energy Storage Vessels. Energy Storage Vessels can cycle up to three times per day without rest and boast a design life of 30,000 cycles – enabling unique applications and business models for developers, integrators, and owners. The Energy Rack takes EnerVenue's revolutionary technology to the next level and offers the easiest and most financially secure solution for C&I and grid-scale energy storage.

### **PLUG-AND-PLAY INTEGRATION.**

Energy Rack ships ready for quick installation with pre-integrated Energy Storage Vessels, BMS, and all connections and wiring.

### **UNMATCHED SCALABILITY.**

EnerVenue's unique building concept, Energy Venue, has re-envisioned energy density, with interlocking modules capable of stacking up to three high.

### **SUPERIOR VERSATILITY.**

Optimized rack size allows for use in both 1500 Vdc and 1000 Vdc systems. Energy Rack can be deployed in an indoor structure or an outdoor-rated enclosure.

# Product: Energy Rack

P R E L I M I N A R Y

TYPE	DESCRIPTION	SPECIFICATION
<b>Mechanical</b>	Dimensions	96.1" H x 58" W x 84.5" D (2442 mm x 1473 mm x 2146 mm)
	Weight	8,750 lbs.
	Operating Temperature	-10 to 45 C
	Cooling Type	Forced Air
	Chemistry	Metal Hydrogen
<b>Electrical</b>	1500 Vdc Vessel Capacity	150 kWh
	1000 Vdc Vessel Capacity	102 kWh
	1500 DC System Voltage	1075 - 1500 Vdc
	1000 DC System Voltage	782 - 1000 Vdc
	Max DC Current	67 A
	C-rates	C/2 to C/12
	Aux Load (Max)	1000 Watts
	Anticipated Capacity Retention	86% after 30,000 cycles
	BMS	Included, EnerVenue BMS 1000 V / 1500 V
<b>Performance</b>	Warranty	3-years standard, extendable to 20 years
<b>Regulatory</b>	Certifications Pending	UL 1973, 9540, 9540A, 1998
	Model	ER-1000, ER-1500
<b>Software</b>	Communication Protocol	Modbus TCP/IP



Single Energy Rack (1500V or 1000V configuration)



A cluster of six Energy Racks



Excellent scalability with stacking up to three rows high.

2024-V2. All product claims and technical data are subject to change at any time without notice. The customer is responsible for verifying all applicable information at the time an order is placed. All information represented is believed to be accurate, but it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

## CONTACT INFORMATION