

Energy Prism

The fastest path from delivery to grid connection.



3 / 30 / 30,000

The Energy Prism’s AMCs are engineered to deliver up to 3 cycles per day over a 30-year design life, equivalent to approximately 30,000 cycles in normal running conditions.

ZERO RISK OF FIRE FROM THERMAL RUNAWAY

EnerVenue's Aqueous Metal Cell (AMC) chemistry uses a water-based electrolyte and therefore, under abnormal operating conditions, the cell's integrated pressure-relief mechanism safely releases water vapor, leaving zero risk for fire ignition and propagation.

BUILT FOR INFRASTRUCTURE TIMELINES

Energy infrastructure is deployed on 30-year timelines. The Energy Prism is the DC block solution designed to match.

- No augmentation requirements
- No need for auxiliary heating and cooling or additional fire suppression systems
- Higher throughput over lifetime with 30,000 cycles

THE CONTAINERIZED DC BLOCK

Energy cells can be integrated into the Energy Prism - a 20ft container-based IP54 solution for design-and-drop ease. Integrators can connect power conversion systems (PCS) to complete an AC system while using their preferred partners and technologies.



SPECIFICATIONS

DESCRIPTION	SPECIFICATION
Dimension (W × D × H)	6058 x 2438 x 2896 mm
Total Designed Weight	20,000 kg ± 8%
Rated Energy	Up to 600kWh
Nominal Voltage	1075-1450V, 387-522V for UPS
System Voltage	1200V, 480V for UPS
Maximum Charge/Discharge Rate	C/24 ~ 0.55C
Temperature	-10°C ~ +45°C ; max. temp up to 60°C
IP Ratings	IP54
Altitude	<2000m
Cooling Type	Forced Air*
Communication Protocol	TCP/Modbus
BMS	Integrated
Certifications	UL 9540, IEC 62933-5-2

* Supported by Low-Power HVAC when necessary