

Aqueous Metal Cell (AMC)

The chemistry that ran satellites is now available on Earth.



THE BUILDING BLOCK OF EVERY ENERVENUE PRODUCT

PROVEN TECHNOLOGY

Based on proven technology used by NASA for more than 30 years. These sealed, large-format battery cells feature a 100% depth of discharge, minimal degradation, and almost no maintenance.

3 / 30 / 30,000

The Aqueous Metal Cells (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.

SPECIFICATIONS

DESCRIPTION	SPECIFICATION
Dimension (Diameter x Length)	191 x 2078 mm
Format	Tubular
Weight	69 kg / 152 lbs
Temperature	-10°C ~ +45°C ; max. temp up to 60°C
Overwrap	Composite
Nominal Amp-hour Charge/Discharge	133 Ah
Nominal Energy Capacity @ 25 °C	3.0 kWh
Voltage Range @ 25 °C	21.5–30 Vdc across full range of SOC (0–100%)
C-Rates	C/24 ~ 1.4C
Peak RTE @ 25 °C	>87%
Modes	Constant Current, Constant Power
Certifications	UL 9540A, UL 1973, IEC 63115-2