

Aqueous Metal Cell (AMC)™

The chemistry that ran satellites is now available on Earth.



30,000 CYCLES

Engineered for a 30-year lifespan, AMCs 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.

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.

IMPROVED FIRE SAFETY

As demonstrated by testing to the UL 9540A protocol, AMCs exhibit no risk of fire from thermal runaway - improving system safety, speeds permitting, and helps reduce cost and insurance premiums.

HIGH EFFICIENCY LDES

Address the growing market for long duration energy storage with flexible discharge and superior round trip efficiency versus other LDES technologies.

SPECIFICATIONS

TYPE	DESCRIPTION	SPECIFICATION
MECHANICAL	Dimensions (Diameter x Length)	191 mm x 2078 mm
	Format	Tubular
	Weight	69 kg / 152 lbs
	Operating Temperature	-20 to 60 °C
	Overwrap	Composite
ELECTRICAL	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%)
	Nominal Power	1500 W
	C-Rates	C – C/12
	Peak RTE @ 25 °C	>87%
	Modes	Constant Current, Constant Power
	BMS	EnerVenue BMS 1000 V / 1500 V
REGULATORY	Certifications	UL1973, UL9540A, and applicable CE standards

2026-V1. Technical data subject to change based on application usage and conditions. Consult EnerVenue for details.