



ADVENT

Technologies, LLC

Honey Badger™ & UltraCell™ Fuel Cells

MADE IN THE USA

XRT-500 FUEL TANKS

PN: AC00051,67,68

6, 10, 20-LITER CONTINUOUS POWER FOR LONGER OPERATION

When running out of power is not an option, the UltraCell extended runtime power solution is the answer. Whether you're powering a laptop, a satcom terminal, or a military radio, the ability to have assured power for an extended period of time is critical.

UltraCell fuel cells provide uninterrupted power for extended periods, at an average 70% weight savings over a typical 72-hour mission. And, the fuel cartridges and tanks actually get lighter as they are used, reducing soldier strain as the mission progresses.

Together UltraCell fuel cells and new extended run-time fuel tanks now enable extended unattended runtime operation. This enables critical sensors or video surveillance systems to run for weeks or months at a time with a power supply with fuel source package that is easily transportable by a single person.



FEATURES AND BENEFITS

- ❖ UltraCell Reformed Methanol Fuel Cell (RMFC) technology does not contain materials which are damaged at temperature extremes
- ❖ Only UltraCell's unique RMFC chemistry allows for a single fuel mixture which operates from -30 to +50C unlike other technologies which require desert and winter fuel mixtures
- ❖ Only UltraCell fuel cells can be stored in OFF mode between -30 to +80C without artificial heating unlike other technologies which require complex heating kits for storage below 0C
- ❖ Only UltraCell fuel cells can startup from a -20C cold soak without additional thermal kits
- ❖ More easily recyclable than current battery technology
- ❖ Quiet operation: Provides advantages over traditional generators
- ❖ Lightens transportation loads: 70% or more weight savings possible
- ❖ Enables weeks or even months of continuous runtime operation in the field
- ❖ Round-the-clock availability: Compatible with MIL-SPEC night vision equipment
- ❖ Extended runtime: Hot swappable cartridges, optional external fuel tanks available
- ❖ Can be used indoors or outdoors: Emissions meet OSHA standards for indoor and in-vehicle use
- ❖ Cartridges and Wearable Power Fuel Sources are available to extend missions while lightening the load



XRT-500 SPECIFICATIONS

XRT-500 FUEL TANK OPTIONS

PN	Description	Energy & Runtime	Dimensions	Weight
AC00051	FUEL TANK, 6L SINGLE PORT	6,300 Whr Runtime at 150W: 42hr	6.25" x 7.25" x 10.0" 15.9cm x 18.4cm x 25.4cm	Full 5.8kg, Net 5.4kg
AC00051-2	FUEL TANK, 6L DOUBLE PORT	6,300 Whr Runtime at 150W: 42hr	6.25" x 7.25" x 10.0" 15.9cm x 18.4cm x 25.4cm	Full 5.8kg, Net 5.4kg
AC00067	FUEL TANK 10L, SINGLE PORT	10,500 Whr Runtime at 150W: 70hr	7.56" x 9.13" x 12.2" 19.2cm x 23.2cm x 31.1cm	Full 9.5kg, Net 8.9kg
AC00067-1	FUEL TANK 10L, DOUBLE PORT	10,500 Whr Runtime at 150W: 70hr	7.56" x 9.13" x 12.2" 19.2cm x 23.2cm x 31.1cm	Full 9.5kg, Net 8.9kg
AC00068	FUEL TANK 20L, SINGLE PORT	21,000Whr Runtime at 150W: 140 hr	9.65" x 11.4" x 15.7" 24.5cm x 29.0cm x 39.9cm	Full 18.8kg, Net 17.8kg
AC00068-1	FUEL TANK 20L, DOUBLE PORT	21,000Whr Runtime at 150W: 140 hr	9.65" x 11.4" x 15.7" 24.5cm x 29.0cm x 39.9cm	Full 18.8kg, Net 17.8kg

ENVIRONMENTAL REQUIREMENTS

OPERATING TEMPERATURE RANGE

-22°F to +122°F (-30°C to +50°C)

STARTUP TEMPERATURE

Minimum -4°F (-20°C)

STORAGE TEMPERATURE

-22°F to +176°F (-30°C to +80°C)

HUMIDITY

0% to 95% (MIL-STD-810F)



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