MOBILE POWER FOR MOBILE MISSIONS

The UltraCell® XX25™ is a portable fuel cell designed to meet the power requirements of mobile electronic devices such as satellite communication terminals, rugged computers and radios used by military and public safety personnel on remote missions.

The XX25 provides uninterrupted power to field computer and communications equipment for extended periods at a considerable weight advantage over existing battery solutions. It can also be used as a power source for remote surveillance and reconnaissance sensors for weeks of continuous monitoring.

The rugged design of the XX25 makes it suitable for the most demanding of environments, and its compatibility with night vision equipment permits around the clock usage in critical missions.

FEATURES AND BENEFITS

- Light weight, long duration power solution
- 70% weight savings for a 72-hour mission, compared to batteries
- Hot-swappable fuel cartridge for uninterrupted power
- Rugged design for operations in jungle, desert and arctic environments
- Night vision compatible
XX25 SYSTEM SPECIFICATIONS

FUEL CELL SYSTEM

OPERATIONAL MODES
On/ Off/ Standby*

CONTINUOUS MAXIMUM POWER
25 W

OUTPUT VOLTAGE
12V – 30V (factory set)

STARTUP TIME
12 minutes

DIMENSIONS
5.9” X 9.1” X 1.7” (15 cm x 23 cm x 4.3 cm)

WEIGHT
2.7 lbs (1.24 kg)

COLOR
Sand

LCD DISPLAY
NVG compatible

OUTPUT CONNECTOR
Military specified (6-pin)

TETHERS
Cigarette Lighter Adapter (default) *

FUEL CARTRIDGE

COMPOSITION
Methanol and Water Mixture

CAPACITY (EMPTY)
250 cc

WEIGHT (EMPTY)
4.6 oz (131 g)

VOLUME (FULL)
240 cc ± 10 cc

WEIGHT (FULL)
12.4 oz ± 0.4 oz (351 g ±11 g)

ENERGY CAPACITY
≈180 W–hr

DURATION
≈9 hrs @ 20 W average power output

ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE
-20° C to +40° C (-4° F to +104° F)

STORAGE TEMPERATURE
-20° C to +60° C (-4° F to +140° F)

HUMIDITY
0% to 95%

OPERATING ALTITUDE
0 to 6000 ft*

* programmable via included Dashboard Software
* application specific tethers available

THE ULTRACELL ADVANTAGE

WEIGHT VS. OPERATING HOURS @ 20 WATTS
Common External Batteries

XX25 powering a rugged laptop