

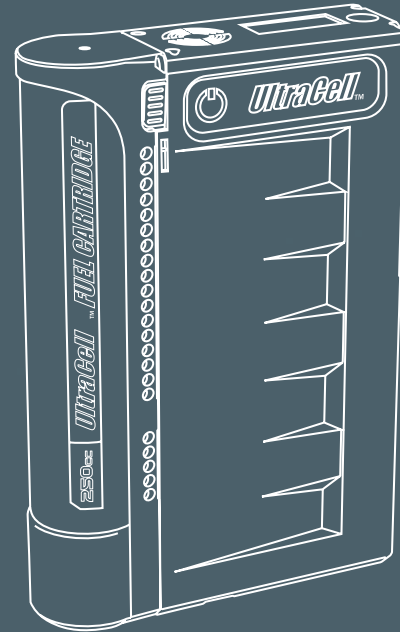
## XX25

### 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

## 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 |

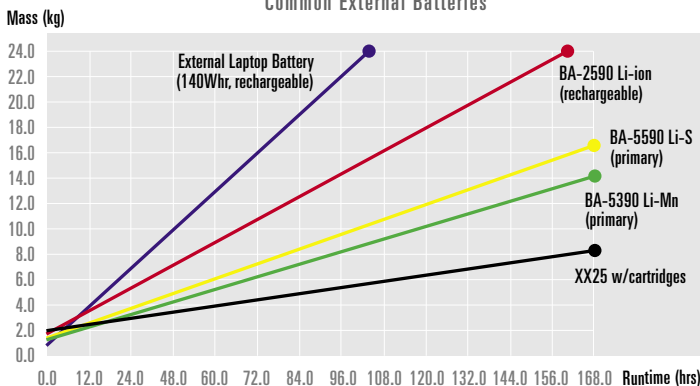
## ENVIRONMENTAL CHARACTERISTICS

|                             |                                     |
|-----------------------------|-------------------------------------|
| 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*                       |

+ up to 20 min. if internal battery is not completely charged  
 \* 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



399 Lindbergh Ave • Livermore, CA 94551 • T 925.455.9400 • F 925.455.7750

WWW.ULTRACELLPWR.COM