

# CWB 150

FlexPack: Flexible, Safe Warfighter Conformal Wearable Battery (CWB)

- NSN# 6140-01-622-5688
- DoD# BB-2525/U



| WIDTH          | HEIGHT         | THICKNESS     | WEIGHT         |
|----------------|----------------|---------------|----------------|
| 7.60" (194 mm) | 8.70" (221 mm) | 0.70" (18 mm) | 2.6 lbs/1179 g |

## FEATURES

### Warfighter Safe

Ballistic Impact/Penetration Safe

Water Safe: Immersible

Electrically Safe:  
3 Levels of Charge/Discharge Safety Protection

Wide Temperature Operating Range

### Flexible

FlexPack Conformal Design Technology

Flexes Across Both Horizontal and Vertical Axes

Lightweight Durable Design

Thin Profile Optimizes Ergonomics

### Ruggedized for Military (Operation & Storage)

MIL-STD-810G Tested

MIL-STD-461 EMI/EMC Tested

No Memory Effect

Long Service Life, 500+ Cycles  
(80% Capacity Remains)

### Designed for Military Applications

Wide Operating Temperature Range

Charges as Low as -20° C

High Energy Density

EMI/RFI/EMC Protection

5 LED State of Charge Indicator-Recessed,  
Tactile, NVG Compatible

### Military Systems Interoperability

Nett Warrior

Small Unit Power

Soldier Expeditionary Power

Soldier Worn Integrated Power  
Equipment Systems

ESAPI Plate Holder Compatible

SMBus 1.1 Compliant

Squad Power Managers

Other Power Management Systems

# CWB 150

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Conformal Wearable Battery



| Specifications                        |   |
|---------------------------------------|---|
| Part Number/<br>National Stock Number | MB-CWB-150-1-LIT<br>(Tan)/6140-01-622-5688        |
|                                       | MB-CWB-150-1-CYB<br>(Brown)/6140-01-622-5711      |
|                                       | MB-CWB-150-1-BLK<br>(Black)/6140-01-622-5710      |
| Voltage Range                         | 10.0V - 16.8V                                     |
| Chemistry                             | Li-ion  |
| MIL Specification                     | Meets/Exceeds the requirements of MIL-PRF-32383/4 |
| Nominal Voltage                       | 14.8V   |
| Nominal Capacity                      | 10Ah, C/5 Rate, 23° C                             |
| Maximum Discharge                     | 5.0A Continuous                                   |
| Energy/Total Power                    | 148 Wh  |
| Communication                         | SMBus v1.1  |
| EMI Standards                         | MIL-STD 461                                       |
| Weight                                | 2.6 lbs/1179 g                                    |
| Cycle Life                            | 500+ Cycles to 80% of Initial Capacity            |
| Memory                                | No Effect   |
| Operating Temperature                 | -30°C to +60°C                                    |
| Charging Temperature                  | -20°C to +55°C                                    |
| Storage Temperature                   | -32°C to +71°C                                    |
| Primary Mating Connector              | Glenair 807-309-06ZNU6-6PY (6 Pin) or 7DY (7 Pin) |
| Transportation                        | IATA Certified/UN-Class 9/MSDS 990713             |
| Water Immersion                       | 1 Meter for 2 Hrs (MIL-STD 810G/Method 512.4)     |

| Compatible Chargers |  |
|---------------------|--|
| Inventus Power      | MC-MTC-1-CWB<br>SBC-980139-US                    |
| Thales              | Universal Battery Charger (UBC) -<br>4102871-502 |

| Related Accessories     |                             |
|-------------------------|-----------------------------|
| MOLLE Pouch (MULTI CAM) | 54 987-MCM/8465-01-622-6319 |

