

## CWB-150

Flexible, Safe Warfighter Conformal Wearable Battery  
**Batteries Rechargeable**



### 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 Optimises Ergonomics
- **Ruggedised for Military (Operation and 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



### Compatible Chargers

<b>Inventus Power</b>	MC-MTC-1 CYB, CWB Only MC-MTC-3 CYB, Full Kit Modular Tactical Charger (MTC)
<b>Thales</b>	Modular Universal Battery Charger (eUBC)

### Related Products

<b>MOLLE Pouch (MULTI CAM)</b>	54 987-MCM NSN: 8465-01-622-6319
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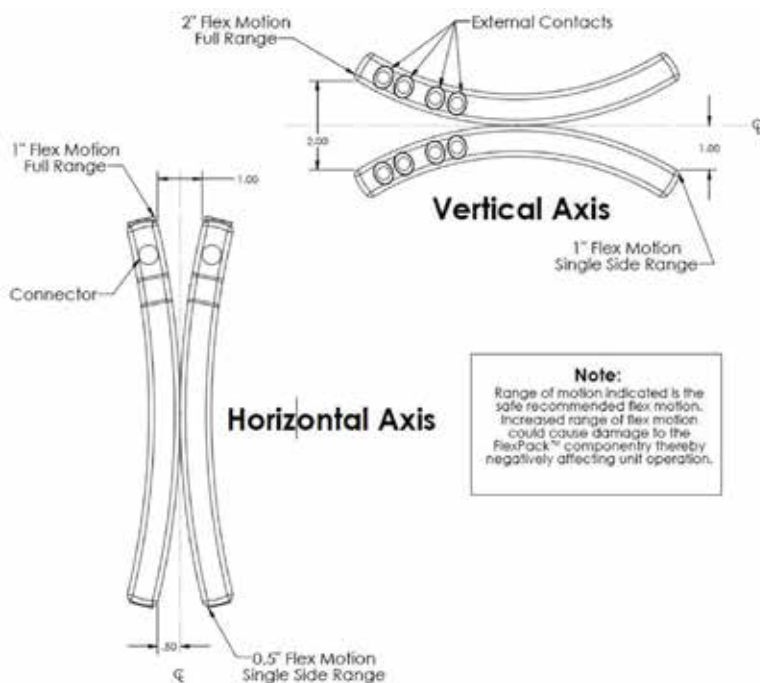
### Weight and Dimensions

<b>Dimensions (LWD)</b>	221 x 194 x 18 mm
<b>Weight</b>	1179 g

## Technical Specifications

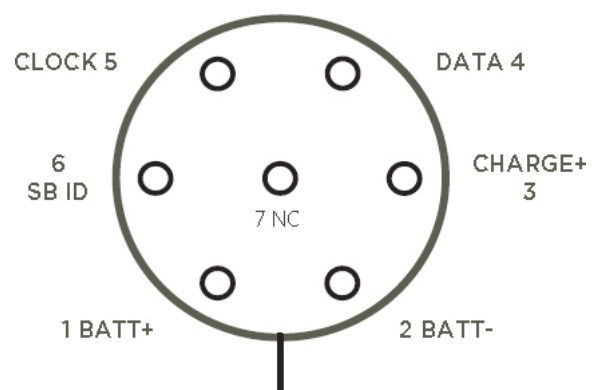
<b>Part Number / NSN</b>	MB-CWB-150-1-LIT (Tan) / 6140-01-622-5688 MB-CWB-150-1-CYB (Brown) / 6140-01-622-5711 MB-CWB-150-1-BLK (Black) / 6140-01-622-5710
<b>Voltage Range</b>	10.0 V - 17.0 V
<b>MIL Specification</b>	Meets/Exceeds the requirements of MILPRF-32383/4
<b>Nominal Voltage</b>	14.8 V
<b>Nominal Capacity</b>	9.6 Ah, C/5 Rate, 23°C
<b>Maximum Discharge</b>	5.0 A Continuous
<b>Energy / Total Power</b>	142 Wh
<b>Communication</b>	SMBus v1.1
<b>EMI Standards</b>	MIL-STD 461
<b>Weight</b>	1179 g
<b>Cycle Life</b>	500+ Cycles to 80% of Initial Capacity
<b>Memory</b>	No Effect
<b>Operating Temperature</b>	- 30°C to + 60°C
<b>Charging Temperature</b>	- 20°C to + 55°C
<b>Storage Temperature</b>	- 32°C to + 71°C
<b>Primary Mating Connector</b>	Glenair 807-309-06ZNU6-6PY (6 Pin) or 7DY (7 Pin)
<b>Right Angle Cable (90° Male to 180° Female)</b>	Glenair 8071-1472-12
<b>Transportation</b>	IATA Certified/UN-Class 9/MSDS 990713
<b>Water Immersion</b>	1 metre for 2 hours (MIL-STD 810G/Method 512.4)

## Flex Limit



## Cable Connector Pin Out Diagram

<b>Pin 1</b>	BATT +
<b>Pin 2</b>	BATT -
<b>Pin 3</b>	CHARGE +
<b>Pin 4</b>	DATA
<b>Pin 5</b>	CLOCK
<b>Pin 6</b>	SB ID
<b>Pin 7</b>	NC



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All specifications are subject to change without notice  
The information contained herein is for reference only and does not constitute a warranty of performance

Partnered Supplier

**inVENTUS™**  
POWER

sales@eylex.com.au  
www.eylex.com.au

