

# 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

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Conformal Wearable Battery



Specifications	
Part Number/ National Stock Number	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
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 CYB, CWB Only MC-MTC-3 CYB, Full Kit Modular Tactical Charger (MTC)
Thales	Modular Universal Battery Charger (eMUBC) - 1600829-21

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

