

CWB 85

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

- NSN# 6140-01-622-5669



WIDTH	HEIGHT	THICKNESS	WEIGHT
4.70" (119 mm)	8.70" (221 mm)	0.70" (18 mm)	1.6 lbs/725 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 85

NSN# 6140-01-622-5699

Conformal Wearable Battery

Specifications	
Part Number/ National Stock Number	MB-CWB-85-1-LIT (Tan)/6140-01-622-5669
	MB-CWB-85-1-BLK (Black)/6140-01-622-5704
	MB-CWB-85-1-CYB (Coyote Brown)/6140-01-622-7858
Voltage Range	10.0V - 16.8V
MIL Specification	Meets/Exceeds the requirements of MIL-PRF-32383/4
Nominal Voltage	14.8V
Nominal Capacity	5.9 Ah, C/5 Rate, 23° C
Maximum Discharge	5.0A Continuous
Energy/Total Power	85 Wh
Communication	SMBus v1.1
EMI Standards	MIL-STD 461
Weight	1.6 lbs/725 g
Cycle Life	500+ Cycles (80% Capacity Remains)
Memory	No Effect
Operating Temperature	-30°C to +55°C
Charging Temperature	-20°C to +50°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 990797
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

