

# RF-2525/U

## Conformal Wearable Battery (CWB)

GENERAL	
RT Nomenclature	RF-2525/U Conformal Wearable Battery
Chemistry	Li-ion
Voltage Range	10.0V - 16.8V
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
Cycle Life	500+ Cycles to 80% of Initial Capacity
Memory	No Effect
Primary Mating Connector	Glenair 807-309-06ZNU6- 6PY (6 Pin) or 7DY (7 Pin)

PHYSICAL	
Dimensions	7.6 W x 8.7 H x 0.7 D in (1.94 W x 2.21 H x 0.18 D cm)
Weight	2.6 lbs (1.18 kg)
Color/Finish	Tan

ENVIRONMENTAL	
Operating Temperature	-22°F to 140°F (-30°C to 60°C)
Charging Temperature	-4°F to 131°F (-20°C to 55°C)
Storage Temperature	-25°F to 159°F (-32°C to 71°C)
MIL Specifications	Meets/exceeds the requirements of MIL-PRF-32383/4
EMI Standards	MIL-STD 461 EMI/EMC Tested
Water Immersion	1 Meter for 2 Hrs (MIL-STD 810G/Method 512.4)
Transportation	IATA Certified/UN-Class 9/MSDS 990713

INTEROPERABILITY	
Military Systems	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



The RF-2525/U is a flexible, warfighter-safe conformal wearable battery. Ballistic impact and penetration safe, the RF-2525/U also features 3-levels of charge/discharge electrical safety protection.

Developed with FlexPack conformal technology, the lightweight and durable design is flexible across both horizontal and vertical axes, with a thin profile to optimize ergonomics.

Designed specifically for military applications, the RF-2525/U offers high-energy density, EMI/RFI/EMC protection, and five recessed LED state-of-charge indicators which are tactile and night-vision goggle compatible.

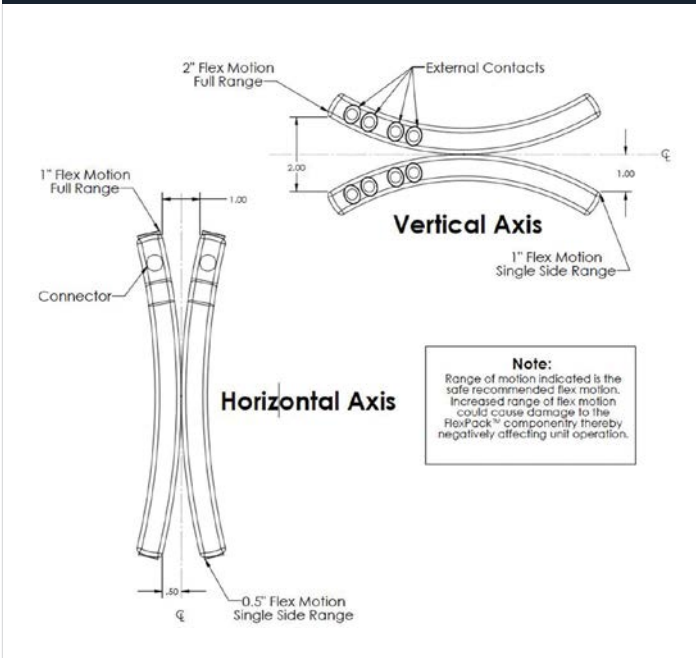
## COMPATIBLE CHARGERS

<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 (eMUBC) - 1600829-21

## RELATED ACCESSORIES

<b>MOLLE Pouch (Multi-Cam®)</b>	54 987-MCM/8465-01-622-6319
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## 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

RF-2525/U - Conformal Wearable Battery

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