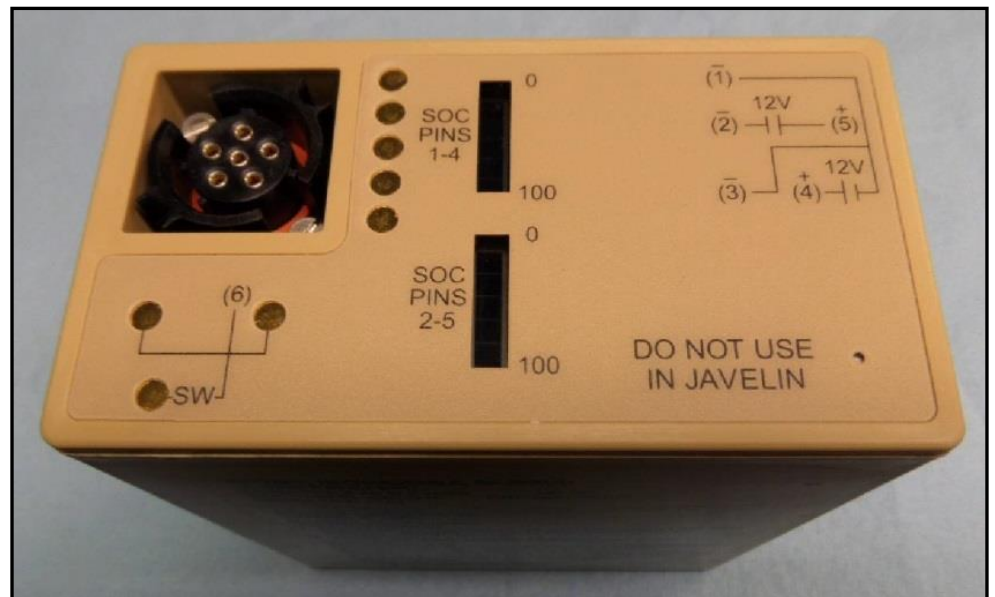


BB-2590/U-LT Specification

- Low temperature, high performance rechargeable Lithium Ion battery with instantaneous start up.
- Dual state of charge indicators (SOC). 2 separate 5 segment LCD's with constant display compliant with MIL-PRF-32383 paragraph 3.5.8.
- The SMBus complies with SMBus v1.1, SBData v1.1 and MIL-PRF-32383 paragraph 3.5.9.
- Durable high impact plastic housing and connector enclosure.
- High capacity, performance verified, hermetically sealed, lithium-ion cells.
- Protection against short circuit and improper charge.

This battery meets the requirements of MIL-PRF-32383 for:

- Battery voltage
- Cycle life
- Immersion
- Mechanical and thermal shock
- Vibration
- Insulation resistance
- High rate discharge
- Low temperature discharge
- Full capacity discharge
- Retention of charge
- Cell safety
- Battery safety
- Interchangeability



BB-2590/U-LT Technical Specification

For use in	SINGARS & ATCS(PRC-104, 117, 119), Falcon (PRC-138, 117) KY-57, MXF430(V), AN/PSC-5, M22 & other equipment.
Replacement for	BB-2590/U, BB-390A/U, BB-390B/U, BB-490/U, BB-590/U, BA-5290/U, BA-5590/U, NSN: 6140-01-490-4316, NSN: 6140-99-676-4908
Cell chemistry	Lithium Ion
Colour	Desert tan
Voltage range	20V - 33V
Nominal voltage	28.8V or two 14.4V sections depending on connection
Nominal capacity	8.2Ah @ 24V, 16.4Ah @ 12V
Nominal energy	251 Wh
Rated power output	≤ 200 Watts
Battery life	≥ 224 cycles, ≥ 3 years
Continuous load rating	≤ 10A
Max pulse discharge	≤ 36A in 12V mode (5 seconds)
Charge temperature range	-4°F to 122°F, -20°C to 50°C
Operating temperature range	-22°F to 140°F, -30°C to 55°C
Storage temperature range	-4°F to 122°F, -20°C to 50°C
Max abusive temperature (non-operating)	199°F, 93°C
Connector	Floating type per U.S Army DWG # SC-C-179495
Overall dimensions	~ 5.0 in. x 2.5 in. x 4.4 in., 127mm x 62mm x 112mm
Weight	3.2lb, 1.46kg