



Smart Lithium Ion Battery DSL- 90/H (BB-2590)

Replacement of
BB-2590/U

TECHNICAL DATASHEET



Features

- Intelligent High Efficiency Charge Management
- Compliance with SMBus data communication
- Over-charging and Over-discharging Protection Circuit
- Charge and Discharge Over-temperature Protection
- Battery Protection Circuit Module (PCM) Incorporated
- State-of- Charge (SOC) Display
- Rugged Military Casing
- Smart Circuit Technology ®
- High Energy Density

Typical Applications

SINGGARS & ATCS (AN/PRC-104, 119, 117) FALCON (AN/PRC-138, 117, KY-57MXF430 (V), AN/PSC-5, M22, ROBOTS and UAV

Charging System

Compatible to all OEM Designated Charging System

Technical Specifications

Part Number	16-90-000-7
DPP Part Number	DSL-90/H
Weight	3 Lbs
Color	Tan / Black
Chemistry	Li-Ion
Nominal Voltage	28.8 V (2 x 14.4 Volt)
Capacity	9.7 Ah / 28.8 V Mode, 19.4 Ah / 14.4 Volt Mode
Max Discharge	36.0 A
Max Pulse Discharge	11.0A < 1 S
Energy	216 Wh in 28 V Mode
Life Cycle	Min 350 Cycles
Memory	No Memory Effect
Operating Temperature	-20°C to +55°C
Storage Temperature	0°C to +35°C
Self-Discharge	Negligible
Exterior / Housing	Durable High Impact Plastic Housing
Terminals / Connector	Floating Type per US Army Dwg-SC-C179495
State-of-Charge Indicator	Dual 5 Segment LCD Display
Safety	High reliability due to all welded construction
Qualification	Designed to Military Standard MIL-PRF-32383
Protection	Over Charging Protection
	End of Discharge Protection
	Over Discharge Current Protection
	Over Charge Current Protection