



Smart Lithium Ion Battery DSL- 77/M (7.5 AH)

Replacement of
Ni-Cd 13.2V, 4Ah of
Radio set AN/PRC-77

TECHNICAL DATASHEET



Features

- Intelligent High Efficiency Charge Management
- 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

- Military Communication Devices
- Radio Set AN / PRC - 77

Charging System

- The battery has an in-built Charge Management System which allows direct charging from 80~100 Watt DC Charger Adaptor of 18~24 VDC. Charging time will be 4~5 hrs
- The in-built Charge Management System also allows direct charging of battery from 24 Volt Vehicle Battery or any 24V DC Source. The charging time remains to be 4~5 hrs
- The Battery can be made to be optionally charged using the existing Ni-Cd Charger. However the charging time in this case will be 30~32 hrs because of low output current (400 mA) of existence charger

Technical Specifications

Part Number	16-77-001-1
DPP Part Number	DSL-77/M
Weight	1.4 Kg(Max)
Nominal Voltage	14.4VDC
Capacity	7.5 AH
Max Pulse Discharge	11 Amp < 1.0 Sec
Energy	108 Wh
Life Cycle	Min 350 Cycles (No memory effect as in Ni-Cd)
Operating Temperature	-20°C to +55°C
Storage Temperature	0°C to +35°C
Self-Discharge	Negligible
Exterior / Housing	As per Military Standard
Terminals / Connectors	Customized Connectors
State of Charge Indicator	5 – Segment LCD Display
Qualification	Designed to meet Military Standards
Protection	Over Charging Protection
	End of Discharge Protection
	Over Discharge Current Protection
	Over Charge Current Protection