



Smart Lithium Ion Battery DSL- 86/M

Replacement of
Ni-Cd 13.2V, 7Ah of
Radio set PK/PRC-786

TECHNICAL DATASHEET



Features

- Intelligent High Efficiency Charge Management
- Over, Charging /Discharging, Over Current Protection
- Charge and Discharge Over Temperature Protection
- Battery Protection Circuit Module (PCM) incorporated
- Rugged Military Casing
- State of Charge (SOC) Display
- Smart Circuit Technology®
- High Energy Density

Typical Applications

- Military Communication Devices
- AN / PRC - 786 Radio Set

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	16-786-000-1
DPP Part Number	DSL-86M
Weight	
Nominal Voltage	14.4 V
Capacity	7.5 AH
Max. Discharge	6.0 A
Max. Pulse Discharge	11.0A < 1 s
Energy	108 Wh
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	Metal Box
Terminals / Connector	Customized Connector
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