

HIGH POWER RUGGED LITHIUM ION SMART BATTERY PACK

MRB-1226M

Product Overview

The MRB-1226M is a rugged Rechargeable High Power Li-Ion Battery Pack for industrial and military purpose. The pack is based on high quality Lithium-Ion cells and equipped with state-of-the-art Smart electronics, which provides all needed safety features, fuel gauge and communication interface. The watertight, crushproof and compact design gives the ideal solution for the outdoor portable power supply in industrial, tactical or military applications.



Features

- High Capacity and Reliability Lithium Ion cells
- Accurate Measurements of Charge Flow, Voltage and Temperature
- Full SMBus and Smart Battery Specifications SBS V1.1 Compatible
- Full Array of Programmable Voltage, Current and Temp. Protection Features
- Automatically adjusts for battery aging, battery self discharge and temperature inefficiencies
- Cells Balancing function
- Fuel Gauge for Battery remaining capacity indication
- IP65 rated design
- Compliant to military standards:
MIL-STD-810F
MIL-STD-461F

Specifications

| | |
|---------------------------------|--------------|
| Total Energy | 288 WattHour |
| Nominal Capacity | 26Ah |
| Nominal Output Voltage | 11.1V |
| Max Discharge Current | 10A |
| Charging Time | 9 hours |
| Operation and Store Temperature | -20°C ~ 60°C |
| Charge Temperature | 0°C~ 45°C |
| Dimensions | 221x126x77mm |
| Weight | 2.3 kg |

Terminal Specifications

CHARGE connector: AMPHENOL 5POS MALE, P/N: D38999/24WD5PN

Functions:

| | |
|---|--------------------|
| A | BATTERY POSITIVE + |
| B | BATTERY POSITIVE + |
| C | BATTERY NEGATIVE - |
| D | BATTERY NEGATIVE - |
| E | RSVD (reserved) |

OUTPUT connector: AMPHENOL 12POS FEMALE, P/N: D38999/24WD97SN

Functions:

| | | | |
|---|--------------------|---|--------------------|
| A | RSVD | G | BATTERY NEGATIVE - |
| B | GND | H | RSVD |
| C | BATTERY NEGATIVE - | J | SMBD (Data) |
| D | RSVD | K | SMBC (Clock) |
| E | RSVD | L | BATTERY POSITIVE + |
| F | RSVD | M | BATTERY POSITIVE + |



Mechanical Drawing

