

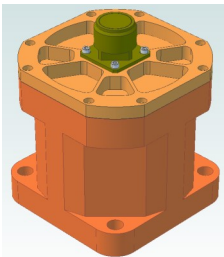
## Ruggedized Battery Products

*Providing power where you need it*



### AL572

#### Ruggedized 28V 2.5 AH Rechargeable Battery System



The AL572 is a 28V 2.5AH ruggedized rechargeable battery system designed to supply power to sensors, radios, displays, and other equipment. Designed to MIL-STD-810F and MIL-STD-461, the units can handle repeated use in harsh environmental and electrical applications. The recharging cycle is less than two hours and the units remain operational when connecting and disconnecting the charging supply, which optimize efficiency and up-time. Moreover, integration of a single MIL-DTL-38999 connector for charging and discharging greatly simplify cabling in the application.

#### Technical Specifications

##### Storage Cell

- Cell Chemistry: Li-Ion (LiFePO<sub>4</sub>)
- Life Cycle (at 100% Depth of Discharge): > than 500 cycles

##### Electrical

###### Output Voltage

- Nominal: 26.4 Volts DC
- Maximum: 29.2 Volts DC
- Automatic Discharge Cutoff: 20.0 Volts DC

###### Output Current

- Nominal: 0.8 Amps
- Peak: 2.5 Amp
- Over-Current Cutoff: 3 Amps  
(Short Circuit Protection)

###### Input Recharge Voltage

- Minimum: 22 Volts DC
- Maximum: 34 Volts DC
- Input Overvoltage Protection

###### Energy Storage Capacity

- Typical 2.5 Amp-hours (0°C to 40°C):
- Typical 2.2 Amp-hours (-20°C to 55°C):

##### Environmental and Safety

- Temperature
  - Operating: -20°C to +55°C
  - Storage : -40°C to +85°C
- Dust, Water infiltration:
  - Designed to meet MIL-STD-810F
- Vibration (General)
  - Designed to meet MIL-STD-810F
- Electromagnetic Interference
  - Designed to meet MIL-STD-461 Method 514.5, para.4.5.2
- Shock (Functional):
  - MIL-STD-810F Method 516.5, para.4.5.2.3
- Maximum Rotational Velocity 1800 RPM

##### Mechanical

- Base Width: 4.2 Inches
- Depth: 4.2 Inches
- Height: 6 Inches (Including Connector)
- Maximum Weight: 4.6 pounds

Contact our Technical Support Team for more information or to discuss your unique requirement.