

ELI-0608

Rechargeable Li-Ion Battery



General description

- Cylindrical rugged tough case construction
- High energy density
- One wire battery communication technology
- Smart circuit technology providing remaining capacity and number of cycles.
- LED State Of Charge Indicator (SOC)
- Easy integration into compact and light systems

Applications

Defense & HLS, electro-optics, laser equipment, measurement equipment, communications and more

Charge Method (CCCV)

- Charging Voltage: 8.4 VDC Max.
- Charging current (recommended): 2.5A Max.

Safety

- Cell charge over voltage protection
- Cell discharge under Voltage protection
- Over current and short circuit protection
- Over temperature protection
- Reverse Polarity

Applicable Standards

- MIL-STD-810E
- MIL-STD-461C
- UN-38.3 certification
- UL approved cells

Quality System

- ISO-9001:2008; AS-9100

Compatible Chargers

ESC-0608

Disposal

- Check with manufacturer

Electrical

| | |
|---------------------------|--------------------------------|
| Capacity (typical) | 10.2 Ah @ 1A |
| Energy | 73 Wh |
| Max. voltage | 8.4 V |
| Nom. voltage | 7.2 V |
| Min. voltage | 5.2 V |
| Max. Dis. Current (cont.) | 4 A |
| Communication | One-wire; LED Fuel Gauge |
| Life Cycle | 300 to 80% capacity @ 100% DOD |

Mechanical

| | |
|--------------------------------|---------------------|
| Dimensions (Max.) | (L;D) 140 mm; 43 mm |
| Weight | 340 gr |
| Energy Density (Weight/Volume) | 215 Wh/kg; 350 Wh/L |
| Battery Housing | ABS |
| Color | NATO Green / Black |

Environmental

| | |
|----------------|---------------|
| Charge | 0°C to 45°C |
| Discharge | -32°C to 60°C |
| Storage | -40°C to 71°C |
| Humidity | 0 to 90% |
| Transportation | Class 9 |