

# ELI-2648 backup battery

Rechargeable Li-ion Battery Pack- BBU with internal UPS controller

- High energy density
- SMBus battery communication technology
- Smart circuit providing remaining capacity, number of cycles and health status
- Low energy consumption during storage



## Applications

HLS, Surveillance Camera, Telecom Radio and more

## Charge Method (CCCV)

- Charging through a desktop or tactical charger or through a dedicated charging board installed in host device
- Charging Voltage: 54.6V
- Typical charging current: C/3

## Safety

- Under/over voltage
- Under/over current
- Short circuit
- Temperature

## Quality System

- ISO-9001:2008
- AS9100

## Standards

- UN38.3
- UL-1642 (for cells)

## MSDS and Disposal

- Check with manufacturer

## Electrical

|                           |  |
|---------------------------|--|
| Capacity (typical)        | 5Ah @ 1A & RT  |
| Energy                    | 234Wh  |
| Max. voltage              | 54.6V  |
| Nom. voltage              | 46.8V  |
| Min. voltage              | 32.5V  |
| Max. Dis. Current (cont.) | 5A   |
| Communication             | SMBus<br>Optional: Ethernet  |
| Life Cycle                | 300 cycles to 80% of initial capacity @ 100% DOD<br>1500 cycles to 80% of initial capacity @ 80% DOD |

## Mechanical

|                 |                             |
|-----------------|-----------------------------|
| Dimensions      | (L;W;H) 242mm X 72mm X 51mm |
| Weight          | 1450 gr                     |
| Energy Density  | 161Wh/kg; 261Wh/l           |
| Battery Housing | Tubing shrink               |
| Color           | Blue                        |

## Environmental

|                    |               |
|--------------------|---------------|
| Charge*            | 0°C to 45°C   |
| Discharge*         | 0°C to 60°C   |
| Storage:           |               |
| More than One year | -20°C to 25°C |
| Up to 3 months     | -20°C to 45°C |
| Up to one month    | -20°C to 60°C |
| Humidity           | 0 to 90%      |
| Transportation     | Class 9       |

\*Optional: Heating mechanism for operation at -40°C to 50°C

