

ELI-2790

Rugged Rechargeable Li-ion Battery Pack

General description

- Rugged sealed battery pack
- High energy & high Power density
- One wire battery communication technology
- Smart circuit providing remaining capacity, number of cycles and charge status
- LED based State Of Charge Indicator (SOC)
- Low self-discharge and consumption during storage
- Easy integration into compact and light systems
- Meets civil and military standards

Applications

Wearable power, HLS, outdoor, industrial, airborne, backup, mobility aids (scooters), communications and more

Charge Method (CCCV)

- Charging through a desktop or tactical charger or through a dedicated charging board installed in host device
- Charging Voltage: 16.8V
- Typical charging current: C/3

Safety

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

Quality System

- ISO-9001:2008
- AS-9100

Applicable Standards

- UN-38.3
- MIL-STD-810E
- UL-1642 (for cells)

MSDS and Disposal

- Check with manufacturer



Electrical

Capacity (typical)	6.8 Ah @ 3A
Energy	97.9 Wh
Max. voltage	16.8V
Nom. voltage	14.4V
Min. voltage	10.0V
Max. Current (cont.)	10.0A
Communication	One-wire; LED Fuel Gauge
Life Cycle	300 cycles to 80% capacity @ 100% DOD

Mechanical

Dimensions	(L;W;H) 186.5mm X 36.5mm X 65mm
Weight	450 gr
Energy Density	218 Wh/kg; 222 Wh/l
Battery Housing	ABS
Color	Black, NATO Green

Environmental

Charge	0°C to 45°C
Discharge	-30°C to 60°C
Storage	-20°C to 50°C
Humidity	0 to 90%
Transportation	Class 9

