

ELI-1614 Conformal Battery

Rechargeable Semi-Flexible Li-ion Battery Pack

#### **General description**

- Semi-Flexible tactical battery pack
- High energy high Power density
- One wire / SMBus communication technology
- Smart circuit providing remaining capacity, number of cycles and health status
- LED State Of Charge Indicator (SOCI)
- Low energy consumption during storage
- Easy integration into compact and light systems
- Meets civil and military standards



Wearable conformal military battery supporting communications, tactical computers, ISR and additional devices carried by soldiers

#### **Charge Method (CCCV)**

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

## **Safety**

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

## **Quality System**

ISO-9001:2008

## **Applicable Standards**

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

# **MSDS and Disposal**

Check with manufacturer



Electrical		
Capacity (typical)	14Ah @ 3A & RT	
Energy (typical)	200Wh	
Max. voltage	16.8V	
Nom. voltage	14.4V	
Min. voltage	10V	
Max. Dis. Current	10A	
(cont.)		
Communication	One-wire/SMBus; LED SOCI	
Life Cycle	300 cycles to 80% of initial	
	capacity @ 100% DOD	

Mechanical		
Dimensions	(L,W,H; mm) 197 X 152 X 24	
Weight	1000 gr	
Energy Density	200Wh/kg;	
Battery Housing	Semi-Flexible elastomer	
Color	Grey / Customized	

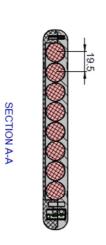
Environmental	
Charge	0°C to 45°C
Discharge	-34°C to 60°C
Storage	-20°C to 50°C
Humidity	0 to 90%
Transportation	Class 9

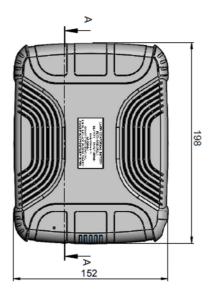
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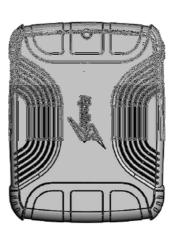












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