

# ELI-1348 backup battery

## Rechargeable Li-ion Battery Pack

- 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)	2.5Ah @ 1A & RT
Energy	117Wh
Max. voltage	54.6V
Nom. voltage	46.8V
Min. voltage	32.5V
Max. Dis. Current (cont.)	5A
Communication	SMBus Optional: Ethernet
Life Cycle	300 cycles to 80% of initial capacity @ 100% DOD 1500 cycles to 80% of initial capacity @ 80% DOD

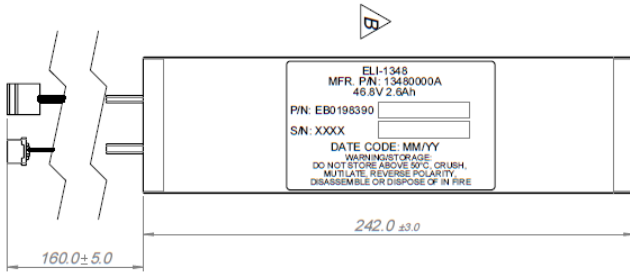
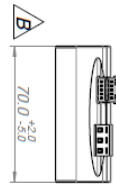
### Mechanical

Dimensions	(L;W;H) 242mm X 72mm X 30mm
Weight	700 gr
Energy Density	167Wh/kg; 223Wh/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



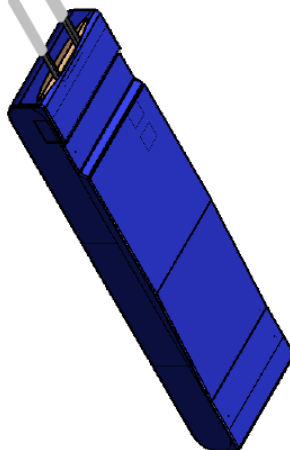
PIN No.	NOTE
1	TEMP SENSOR +V
2	N/A
3	TEMP ENSOR -V
4	N/A
5	N/A
6	CLOCK
7	N/A
8	DATA
9	GND
10	GND

MOLEX 0513531000

PIN No.	NOTE
1	BATTERY +V
2	N/A
3	BATTERY -V

MOLEX 0010013036

ISOMETRIC VIEW



30.0 ± 0.2



REV	SH.	DESCRIPTION	DATE	ECO No.	APPR
A		NEW ISSUE	29/10/2017	-	R.A
B		LABEL UPDATE	12/03/2018	18- ECR-0198	R.A

SCALE	NAME	SIGN.	DATE	TITLE
1:2	DESIGNED: Raz Assaf	R.A	29/10/2017	epsilor TITLE SUBJECT FOR POWER
	CHKD: Alex K	Alex K	15/03/2018	
TOLERANCE	CHKD			
General: ±0.5 mm	CHKD			
Angles: 2°	CHKD			
DRAWING STATUS	APPR.	Zeev Freshman	Zeev F.	18/03/2018
<input checked="" type="checkbox"/> PRELIMINARY	DRAWING No. / PART No.: 13480000B			
<input type="checkbox"/> ENGINEERING	BREAK ALL SHARP CORNERS AND EDGES 0.2 mm			
<input type="checkbox"/> PRODUCTION	DIMENSIONS IN: mm			
WEIGHT: g				A3 SHEET 1 of 1 REV. B

File Name: C:\Epsilor\Projects\Battery\ELI-1348\Mechanical\Single\_Soldervacki\_Drawing\_13480000B\_ELI-1348\_OUTLINE.DRAWING

Last saved: 15 March 2018 10:24:29

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