

## 1. SCOPE

This specification describes the electrical, mechanical and environmental parameters for this battery pack consisting of a Lead Acid cell 2.0V/ 2500 mAh.

## 2. Cell specification: Lead Acid Battery

2.1 Nominal voltage: 2.0V

2.2 Capacity: Nominal 2500mAh at 25°C using:

- Charge profile of 2.4V
- Recommended charge current of 1.25A (C/2) for 6 hrs
- Discharge profile with a maximum current of 500mA (C/5) to 1.75V

2.3 Charge condition:

- Cyclic: CV of 2.45V – 2.50V, 6.75A max
- Float: CV of 2.25V – 2.30V

2.4 Discharge condition:

- Maximum discharge current of 50A.
- End of discharge voltage of 1.65V.

2.5 Cycle life: 100% of initial minimum capacity after 300 cycles at 0.2C, 25°C

2.6 Temperature:

- Charge -40~80°C
- Discharge -40~80°C
- Storage -65~80°C

2.7 Dimensions:

- Width = 68.1 mm
- Diameter = 34.3 mm

2.8 Weight: 0.395 lb

## 3. Additional component

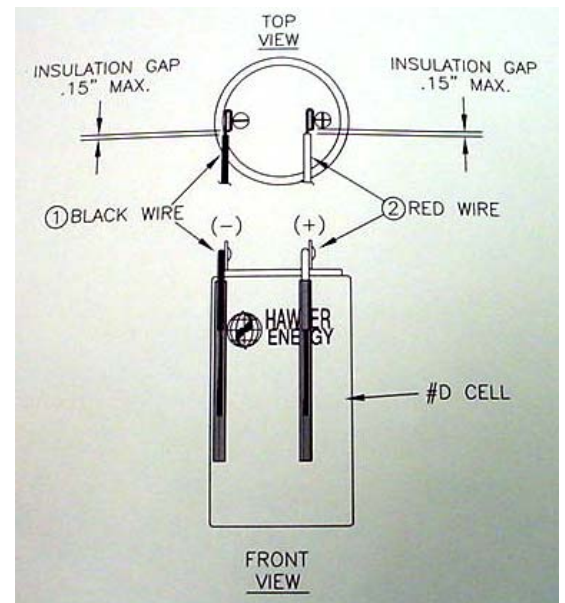
3.1 Polyester Label

3.2 Kapton Tape, PVC Heat Shrink, or similar insulators

## 4. Storage cautions

4.1 Do not store packs in places of high temperature or under direct sunlight

4.2 Do not store packs in place which may expose them to rain, water or high humidity.



<u>REVISION</u> <b>00</b>	<u>ECR/ECN INFORMATION</u> EC No: DATE:	<u>TITLE:</u> <b>2.0V 2500mAh Li-Ion battery</b>	<u>SHEET No.</u> <b>1 of 1</b>
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