PRODUCT SPECIFICATION

1. SCOPE

This specification describes the electrical, mechanical and environmental parameters for this battery pack consisting of a Lead Acid cell 2.0V/ 5000 mAh.

2. Cell specification: Cyclon Lead Acid Battery

2.1 Nominal voltage: 2.0V

2.2 Capacity: Nominal 5000mAh at 25ºC using:

- Charge profile of 2.4V
- Recommended charge current of 2.5A (C/2) for 6 hrs
- Discharge profile with a maximum current of 1000mA (C/5) to 1.75V

2.3 Charge condition:

- Cyclic: CV of 2.45V – 2.50V, 12.5A max
- Float: CV of 2.25V – 2.30V

2.4 Discharge condition:

- Maximum discharge current of 65A.
- End of discharge voltage of 1.65V.

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

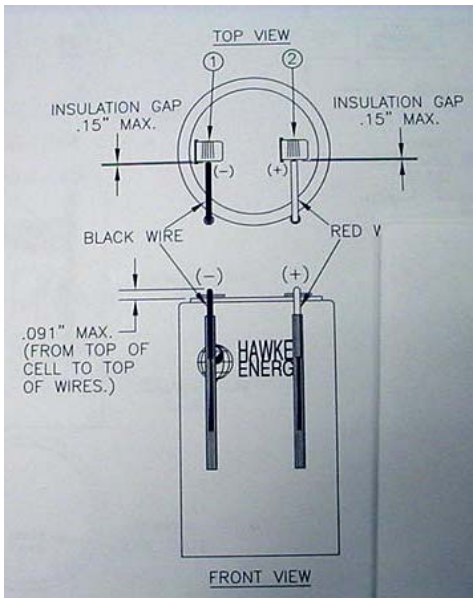
2.6 Temperature:

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

2.7 Dimensions:

- Length = 81.5 mm
- Diameter =44.3

2.8 Weight: 0.810 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.

REVISION	ECR/ECN INFORMATION	TITLE:		SHEET No.
00	EC No: DATE:	**2.0V 5000mAh Li-Ion battery**		**1** of **1**
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