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|-----------------------------------------------------------------------------------|------------------------------|------|--------------|
|  | <b>PRODUCT SPECIFICATION</b> | Rev. | 1.0          |
|                                                                                   |                              | Date | 2012.04.02   |
| <b>Li202SX-8700 (Rechargeable Li-ion Battery Pack 3P3S, 8700mAh)</b>              |                              | Page | Sheet 1 of 3 |

## SPECIFICATION OF PRODUCT

**Rechargeable Li-ion Battery Pack**  
**Model : Li202SX-8700 (10.8V, 8700mAh)**

### ENERTECH INTERNATIONAL, INC.

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**1. Descriptions**

1.1 Description Rechargeable Lithium ion battery pack

1.2 Battery Cell Configuration 3P-3S

**2. Electrical specification(@25 °C)**

| Item                            | Specification | Remarks                                    |
|---------------------------------|---------------|--------------------------------------------|
| 2.1 Capacity                    | 8700mAh       | Nominal (by standard charge and discharge) |
|                                 | 8250mAh       | Minimum                                    |
| 2.2 Voltage                     | 10.8V         | Nominal                                    |
| 2.3 Charging method             | CC-CV         | Constant-voltage with limited current      |
| 2.4 Charging voltage            | 12.6±0.05V    |                                            |
| 2.5 Charging current            | 4350mAh       | Standard                                   |
| 2.6 Charging current cut-off    | < 435mA       |                                            |
| 2.7 Discharging current         | 1740mAh       | Standard                                   |
|                                 | 4350mAh       | Continuous                                 |
|                                 | 6000mAh       | Peak discharge less than 5s                |
| 2.8 Discharge cut-off voltage   | 9.0V          |                                            |
| 2.9 Internal resistance         | < 300mΩ       |                                            |
| 2.10 Operating temperature      | 0 to 40°C     | Standard charge                            |
|                                 | -20 to 55°C   | Standard discharge                         |
| 2.11 Storage temperature        | 0 ~ 25°C      | ≤ 1 Year                                   |
|                                 | 0 ~ 45°C      | ≤ 3 Months                                 |
|                                 | 0 ~ 60°C      | ≤ 1 Month                                  |
| 2.12 Storage humidity           | 20 ~ 85 % RH  | Not condensed                              |
| 2.13 Smart Module Communication | SMBus         | Type                                       |
|                                 | V1.1          | Revision                                   |

**3. Safety specification**

| Item                  | Remarks     | Specification                     |
|-----------------------|-------------|-----------------------------------|
| 3.1 Over charge       | Prohibition | 4.35V±50 mV/Cell                  |
|                       | Release     | 4.05V±100 mV/Cell                 |
|                       | Delay time  | < 1.0sec.                         |
| 3.2 Over discharge    | Prohibition | 2.40V±80 mV/Cell                  |
|                       | Release     | 2.70V±100 mV/Cell                 |
|                       | Delay time  | < 1.0sec.                         |
| 3.3 Over current      | Prohibition | 10 ~ 16A (Depend on cell voltage) |
|                       | Release     | by charging                       |
| 3.4 Power dissipation | Operating   | < 300uA                           |
|                       | Shut down   | < 30uA                            |

**4. Physical specification**

| Item                  | Remarks   | Specification                                    |
|-----------------------|-----------|--------------------------------------------------|
| 3.1 Dimension         | L x W x H | 140.0±0.5 x 88.8±0.5 x 19.6±0.3                  |
| 3.2 Terminal (Output) |           | Power(+),Clock(C),Data(D),Thermistor(T),Power(-) |
| 3.3 Weight            |           | < 450g                                           |

**5. Certification : UL (No. : MH29843)**

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