**PERFORMANCE SPECIFICATIONS**

Nominal Voltage (V): 12 volts (6 cells in series)

Nominal Capacity (AH):
- 20 Hour rate F.V. (1.75V/cell) (0.35A to 10.50volts): 7.00A.H.
- 5 Hour rate F.V. (1.75V/cell) (1.19A to 10.50volts): 5.95A.H.
- 30 Min rate F.V. (1.30V/cell) (8.75A to 7.80volts): 4.37A.H.

Approximate Weight: 2750g (6.06lbs.)

Terminal:
- Standard: Type T2
- Optional: Type T1

Internal Resistance (Fully Charged Battery): <15mΩ

Maximum Discharge Current For 5 sec. (A): 105A

Maximum Charge Current (A): 2.1A

Ambient Temperature:
- Charge: 0°C (32°F) ~ 40°C (104°F)
- Discharge: -20°C (-4°F) ~ 50°C (122°F)
- Storage: -20°C (-4°F) ~ 40°C (104°F)

Vibration test:
- Frequency: 16.7HZ
- Amplitude: 4mm
  - Vibrate the battery horizontally or vertically for 60 minutes. The battery have no abnormality.

Case: ABS

Dimension (mm/inch):
- Length: ±1.5mm, 151/5.94
- Width: ±1.5mm, 65/2.56
- Container Height: ±1.5mm, 94/3.70
- Total Height: ±2mm, 100/3.94

Application: Laboratory Equipment, Toy-Cars, Power Packs, Fishing Lights.
Charging Procedure

<table>
<thead>
<tr>
<th>Application</th>
<th>Charging method</th>
<th>Temperature compensation coefficient of charging voltage (mV/°C/cell)</th>
<th>Max. charging current (CA)</th>
<th>Charging time 0.1CA, 20°C (h)</th>
<th>Temp (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>For standby power source</td>
<td>Constant voltage &amp; Constant current charging (with current restriction)</td>
<td>2.25~2.30</td>
<td>24</td>
<td>20</td>
<td>0~40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60 (32~104°F)</td>
<td>0~25</td>
</tr>
</tbody>
</table>

*Temperature compensation of charging voltage is not needed, when using the batteries within 5°C to 35°C range.

EVP7-12 Battery discharge characteristics (25°C/77°F)

BATTERY CHARGING CHARACTERISTICS
(Typical example of the charge characteristics for the cycle use)

Battery Life Characteristics of Cyclic Use
Testing Conditions: Discharge Current: 1C Amp (F.V. 1.60v/cell)
Charging Current: 0.1C Amp
Charging Volume: 120% of Discharge Capacity
Ambient Temperature: 20°C (68°F)

Constant power discharge characteristics at 25°C/77°F

OUTER DIMENSIONS

TERMINAL TYPE

- Terminal T1
  - [Diagram]
  - Terminal T2
  - [Diagram]

TERMINAL POSITION

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6415 RANDOLPH ST. COMMERCE,
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TEL: 1-323-278-1900 . 1-800-278-8599
FAX: 1-323-278-1268

CHINA FACTORY:
CHENG DONG TRIAL AREA, HUANG GANG,
RAOPING GUAN DONG, CHINA, 515700
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