**DATA SHEET**

**25.6 VOLT**

### PHYSICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>BCI</th>
<th>Model</th>
<th>Terminal Type</th>
<th>Dimensions Inches (mm)</th>
<th>Weight Lbs. kg</th>
<th>Handles</th>
<th>Installation Orientation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group U1</td>
<td>TR 25.6 - 25</td>
<td>M6 - 1.0 Threaded Hole</td>
<td>Length</td>
<td>Width</td>
<td>Height</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7.76 (197)</td>
<td>5.2 (132)</td>
<td>6.74 (171)</td>
<td></td>
</tr>
</tbody>
</table>

### ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Capacity Amp-Hours (Ah)</th>
<th>Energy (kWh)</th>
<th>Short Circuit Current (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.6V</td>
<td>5-Hr (5A)</td>
<td>20-Hr</td>
<td>Fused at 125 Amps</td>
</tr>
<tr>
<td></td>
<td>10-Hr (2.5A)</td>
<td>20-Hr</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20-Hr (1.2A)</td>
<td>20-Hr</td>
<td></td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>25</td>
<td>25.5</td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>25</td>
<td>0.64</td>
</tr>
</tbody>
</table>

### OPERATIONAL DATA

<table>
<thead>
<tr>
<th>Operating Temperature Range</th>
<th>Storage Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>-4°F to 140°F (-20°C to 60°C)</td>
<td>-40°F to 140°F (-40°C to 60°C)</td>
</tr>
</tbody>
</table>

### CHARGING INSTRUCTIONS

**Recommended Charging Voltage**: 28.8 - 29.6V

**Recommended Float Voltage**: 27.6V

**Maximum Charging Current @ Temperature**

- > 32°F (0°C): 25A
- 14° to 32°F (-10° to 0°C): 3.5A
- -4° to 14°F (-20° to -10°C): 1.2A

### OTHER SPECIFICATIONS

**Electrical Features**

- Continuous Discharge Current: 50 Amps
- Pulse Discharge Current @ 77°F (25°C): 70 Amps for 30 Seconds
- Communication: N/A
- Reserve Capacity @ 25 Amps: 60 Min
- BMS Protections: Cell-Level Voltage, Temperature, Current
- BMS Functions: Cell Balancing
- Safety Systems: BMS, MOSFETS
- Series Connections: Up to 2S (51.2V)
- Parallel Connections: Up to 20P
- Discharge Voltage Cutoff: 19V ± 5%
- Charge Voltage Cutoff: 30.4V ± 5% for 5 Seconds
- Data Logging: Total Lifetime Amp Hours, Recent Faults

**Other Features**

- Environmental Protection: IP67
- Shipping Classification: UN3480, Class 9, UN38.3 Certified
- Case Flame Rating: Non-Flammable UL94 V-0


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**RECYCLE RESPONSIBLY**

Do not mix with Lead Acid Batteries when Recycling.

*To 70% of Initial Capacity.*
**CYCLE LIFE**

![Cycle Life Graph]

- **Cycle Life Chart**
  - Number of Cycles vs. Depth of Discharge
  - Graph shows cycle life at various rates (0.5C Rate, 1C Rate)

**AVAILABLE CAPACITY**

![Available Capacity Graph]

- **Available Capacity Chart**
  - Graph shows available capacity as a percentage of rated capacity
  - Battery Temperature vs. Available Capacity (% of Rated)

**CYCLE LIFE VS. TEMPERATURE**

![Cycle Life Vs Temperature Graph]

- **Cycle Life vs. Temperature Chart**
  - Chart shows cycle life as a percentage of initial capacity
  - Battery Temperature vs. % of Initial Capacity

**U1 DISCHARGE CAPACITY**

![U1 Discharge Capacity Graph]

- **U1 Discharge Capacity Chart**
  - Chart shows discharge capacity at various rates
  - Voltage (V) vs. Capacity (Ah)

**BATTERY DIMENSIONS**

- Dimensions in inches and millimeters shown with M6

**TERMINAL CONFIGURATIONS**

- **M6 Configuration**
  - 1.0 x 8 mm Threaded Hole

**SAFETY/AGENCY INFORMATION**

- **Certified to the Following**
  - UN/DoT 38.3
  - ROHS Compliant
  - UL 2271 (Q1 2019)*
  - TUV*
  - UL 1642 (Cells)

*Pending

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**Notes:**
- A. Weight may vary.
- B. Terminal images are representative only.

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