INTRODUCING THE
US 8VHATB XC2

The new All Terrain Battery (ATB) is at home on the most demanding golf course or out on the toughest job site. The US 8VHATB XC2 features U.S. Battery’s exclusive Xtreme Capacity™ formulation and Diamond Plate Technology® producing the most runtime of any 8-volt battery in its class, you can depend on this addition to U.S. Battery’s complete line of premium deep cycle batteries!

WWW.USBATTERY.COM
**Application:** Wherever Deep Cycle 8-volt batteries are needed.

**Dimensions:** 10-1/4 (260)L x 7-1/8 (181)W x 11-7/8 (302)H

**Type:** Flooded Lead Acid (FLA) non-sealed.

**Case material:** Polypropylene / Heat Sealed

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### US 8VHATB XC2 - SPECIFICATIONS

<table>
<thead>
<tr>
<th>BCI Group Size</th>
<th>Model</th>
<th>1-hr Rate</th>
<th>2-hr Rate</th>
<th>5-hr Rate</th>
<th>6-hr Rate</th>
<th>10-hr Rate</th>
<th>20-hr Rate</th>
<th>48-hr Rate</th>
<th>72-hr Rate</th>
<th>100-hr Rate</th>
<th>Voltage</th>
<th>Standard Terminal Type</th>
<th>AMP HOURS @ 75 AMPS</th>
<th>MINUTES @ 56 AMPS</th>
<th>MINUTES @ 25 AMPS</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight (lbs kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GC8H</td>
<td>US 8VH ATB</td>
<td>128</td>
<td>145</td>
<td>170</td>
<td>177</td>
<td>188</td>
<td>205</td>
<td>216</td>
<td>221</td>
<td>225</td>
<td>8</td>
<td>UTL</td>
<td>205</td>
<td>115</td>
<td>164</td>
<td>435</td>
<td>10-1/4(260)</td>
<td>7-1/8(181)</td>
<td>11-7/8(302)</td>
</tr>
</tbody>
</table>

### TERMINAL OPTIONS:
- **UTL**
- **UT**
- **OFF-SET "S"**
- **SAE**
- **LARGE "L"**
- **SMALL "L"**

### VENT CAP OPTIONS:
- **SpeedCap®**
- **Bayonet**

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### CHARGING INSTRUCTIONS:

Following is the charging recommendation and charging profile using 2 stage chargers for US Battery deep cycle products.

*Equalization and float charge modes are not considered to be one of the stages in a charging profile.

1. **Bulk Charge**
   - Constant current @ -10% of C/20 Ah in amps to 2.45+/-.05 volts per cell
   - Constant voltage (2.45+/-.05 vpc) to 9% of C/20 Ah in amps then hold for 2-3 hours and terminate charge
   - Charge termination can be by maximum time (2-4 hr) or dV/dt (4 mv/cell per hour)

2. **Absorption Charge**
   - Constant voltage 2.17 vpc (6.51 volts per 6 volt battery) for unlimited time
   - Constant voltage (2.55+/-.05 vpc) extended for 1-3 hours after normal charge cycle (repeat every 30 days)

**Notes:**
- Charge time from full discharge is 9-12 hours.
- Absorption charge time is determined by the battery but will usually be ~3 hours at 2.45 volts per cell.
- Float time is unlimited at 2.17 volts per cell.
- Specific gravity at full charge is 1.270 minimum

**Battery temperature adjustment:** reduce the voltage by 0.028 Volts per cell for every 10°F above 80°F, increase by the same amount for temperatures below 80°F.

Deep cycle batteries need to be equalized periodically. Equalizing is an extended, low current charge performed after the normal charge cycle. This extra charge helps keep all cells in balance. Actively used batteries should be equalized once per month. Manually timed chargers should have the charge time extended approximately 3 hours. Automatically controlled chargers should be unplugged and reconnected after completing a charge.