6VC8.5 is a general purpose battery with 3~5 years in standby service or more than 400 cycles at 50% depth of discharge in cycle service.

**Unit Specification**

- **Nominal Voltage**: 6 V
- **Nominal Capacity (20 hrs)**: 8.5 Ah

**Dimensions**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Height</td>
<td>118 mm (4.65 inches)</td>
</tr>
<tr>
<td>Container Height</td>
<td>118 mm (4.65 inches)</td>
</tr>
<tr>
<td>Length</td>
<td>98 mm (3.86 inches)</td>
</tr>
<tr>
<td>Width</td>
<td>56 mm (2.21 inches)</td>
</tr>
</tbody>
</table>

- **Net Weight (Unit)**: APPROX 1.60 Kg (3.53 lbs)
- **Internal Resistance**: 18 mΩ at 25°C / 77 °F
- **Container Material**: General Grade ABS
- **Discharge Capacity Under Different Temperatures**
  - 40°C: 102%
  - 25°C: 100%
  - 0°C: 85%

**Characteristics**

- **Capacity 25°C / 77°F**
  - 20 hr @ 0.425 A: 8.5 Ah
  - 5 hr @ 1.36 A: 6.8 Ah
  - 1 hr @ 5.1 A: 5.1 Ah
  - 1 C @ 8.5 A: 4.25 Ah

- **Charging Voltage (25°C, 77°F)**
  - Standby Use: 6.825V±0.075 V
  - Cycle Use: 7.35V±0.15 V

- **Max Charging Current**: 2.55 A
- **Max Discharge Current**: 90 A (5 sec)
- **Self-Discharge Residual Capacity (25°C, 77°F)**
  - After 3 Months: 90%
  - After 6 Months: 82%
  - After 12 Months: 70%

**Packaging and Weights**

- **Case Lot Size**: 10 Pcs
- **Net Weight (Unit)**: 1.60 Kg (3.53 lbs)
- **Gross Weight (Case Size)**: 17.00 Kg (37.48 lbs)