Crown Battery Manufacturing Company offers a complete lineup of high-performance and low-maintenance commercial deep cycle batteries produced in standard Battery Council International group profiles for voltage, electrical capacity and physical dimension. Crown Battery’s innovative and proven deep cycle product design makes it the battery of choice for many tough commercial battery applications, including commercial floor care and aerial access equipment, electric vehicles, personnel carriers, material handling systems and renewable energy systems.

**Available Terminals**

- Standard
- Type C
- Type S
- Type Z

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### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>CR-235</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>1440</td>
</tr>
<tr>
<td>Nominal Voltage</td>
<td>6 Volts</td>
</tr>
</tbody>
</table>

**Physical Characteristics**

- **Length**: 10.25" 260 mm
- **Width**: 7.13" 181 mm
- **Height**: 10.75" 273 mm
- **Weight**: 68 lbs 31 Kgs

**Terminal Options**

- Standard, C, S, Z

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### ELECTRICAL SPECIFICATIONS

**Amp Hour Capacity**

- 20 Hr: 11.75 235 Ah
- 5 Hr: 39.00 195 Ah
- 6 Hr: 1.101

**Reserve Capacity Minutes**

- 100 Amp Rate: 88 Minutes
- 75 Amp Rate: 125 Minutes
- 50 Amp Rate: 205 Minutes
- 25 Amp Rate: 478 Minutes

**Internal Resistance**

- 80° F: 27°C 5.1 mΩ
- 104° F: 40°C 102%
- 80° F: 27°C 100%
- 32° F: 0°C 65%

**Separator Type**

- Microporous Rubber Leaf with Glass Mat
CR-235 Commercial Deep Cycle Battery

Crown Battery Manufacturing’s team of research and development engineers welcome the opportunity to discuss your technical requirements during the design and specification stage. To access this technical assistance, please contact

Crown Battery Manufacturing’s Customer Service Department
800.487.2879  |  sales@crownbattery.com  |  FAX 419.334.7124.

**Recommended Charge Profile:**

Following discharge, constant current charge the CR-235 battery at 25 to 30 amperes until the battery voltage measures between 2.37 and 2.40 volts per cell (7.11 – 7.2 volts) on charge voltage.

The constant voltage charge phase begins after the gassing point (2.37 – 2.42 VPC) is achieved. During the constant voltage phase, the charger voltage limit is regulated to the gassing point of 2.37 – 2.42 volts per cell, while the input current is allowed to gradually fall off. When the input current drops to the finish rate setting of 9 amperes, the charging phase will change from constant voltage to a sustained 9 ampere constant current mode. The charging cycle will be terminated by a standard approved method of charger termination similar to dV/dt or 3.5 to 5 hours from the gassing point, with factors such as ambient temperature, battery condition and depth of discharge affecting the charge completion time.

The CR-235 battery should receive a full recharge following the completion of each discharge, along with a monthly equalization service charge. During the equalization charge cycle the finish rate charge time is extended by 3 hours (6.5 to 8 hours from the gassing point).

The charge factor of the standard recharge should be equal to or greater than 1.07 (107%). The charge factor of the equalizing cycle should be equal to or greater than 1.15 (115%).

Please contact Crown Battery Manufacturing Company’s engineering department with any questions regarding this charge profile specification.

Data are nominal and should not be construed as maximum or minimum values for specification or for final design. Data for this product type may vary from that shown herein.