FEATURES & BENEFITS

- Flame-arresting one-way pressure-relief vent for safety and long life.
- Thermally welded case-to-cover bond to ensure a leak-proof seal.
- Thick positive plate design for maximum service float life.
- Case and cover of high-impact polypropylene.
- Removable carrying handles.
- Gas recombination efficiency of up to 99% for freedom from electrolyte maintenance.
- Designed to meet full published ratings at initial start-up installation
- Multicell design for ease of installation and maintenance.
- UL-recognized component.
- Gelled electrolyte for superior float service life and thermal management.

APPLICATIONS

- Broadband
- WIFI
- Traffic Management
- Reserve Power Systems

12 Volts - 86 Ampere Hour Capacity @ 20 Hour Rate

<table>
<thead>
<tr>
<th>Discharge in Hours</th>
<th>.25</th>
<th>.50</th>
<th>1.00</th>
<th>2.00</th>
<th>3.00</th>
<th>4.00</th>
<th>5.00</th>
<th>6.00</th>
<th>7.00</th>
<th>8.00</th>
<th>10.00</th>
<th>12.00</th>
<th>20.00</th>
<th>24.00</th>
<th>48.00</th>
<th>72.00</th>
<th>100.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amp-Hr Capacity</td>
<td>33.9</td>
<td>45.5</td>
<td>55.9</td>
<td>65.6</td>
<td>70.5</td>
<td>73.6</td>
<td>75.9</td>
<td>77.6</td>
<td>79.0</td>
<td>80.2</td>
<td>82.0</td>
<td>83.3</td>
<td>86.0</td>
<td>87.7</td>
<td>91.0</td>
<td>92.5</td>
<td>93.6</td>
</tr>
</tbody>
</table>

BBG-165RT - Specifications

<table>
<thead>
<tr>
<th>Cells Per Unit</th>
<th>Voltage Per Unit</th>
<th>Weight</th>
<th>Maximum Discharge Current</th>
<th>Short Circuit Current</th>
<th>Ohms Imped. 60 Hz (Ω)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>12.84</td>
<td>63 lbs. (29 kg)</td>
<td>800 Amps</td>
<td>2300 Amps @ 0.1 sec</td>
<td>0.0055 Ohms</td>
</tr>
</tbody>
</table>
### Capacity
86.0 Ah @ 20 hour rate to 1.75 volts per cell @ 77°F (25°C)

### Operating Temperature Range
**Discharge:** -40°F (-40°C) to +160°F (71°C),
**Charge:** -10°F (-23°C) to +140°F (60°C) with temperature compensation

### Recommended Operating Temperature Range
+ 74°F (23°C) to +80°F (27°C)

### Float Charging Voltage
13.5 to 13.8 VDC/unit Average at 77°F (25°C)

### Recommended Maximum Charging Current Limit
C20/5 Amperes (17.2 amperes)

### Maximum AC Ripple (Charger)
0.5 % RMS or 1.5% P-P of float charge voltage recommended for best results.
Maximum AC ripple voltage allowed = 1.4% RMS (4% P-P)
Maximum AC ripple current allowed = 4.3 amperes RMS (C20/20)

### Self Discharge
Dynasty Broadband batteries may be stored for up to 6 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

### Accessories
Inter unit connectors, and racks are available.

### Terminal
Threaded copper alloy insert terminal to accept 1/4-20 UNC bolt

### Terminal Hardware Torque
110 in.-lbers. (12.4 n-m).

### Constant Current Discharge Ratings - Amperes @ 77°F (25°C) to 1.75 Volts per cell

<table>
<thead>
<tr>
<th>Amperes</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>25</th>
<th>30</th>
<th>35</th>
<th>40</th>
<th>45</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Run Time (Minutes)</td>
<td>1022</td>
<td>480</td>
<td>305</td>
<td>218</td>
<td>165</td>
<td>134</td>
<td>111</td>
<td>93</td>
<td>80</td>
<td>70</td>
</tr>
</tbody>
</table>

### Constant Current Discharge Ratings - Amperes @ 77°F (25°C)

<table>
<thead>
<tr>
<th>End Point Volts/Cell</th>
<th>.25</th>
<th>.50</th>
<th>1.00</th>
<th>2.00</th>
<th>3.00</th>
<th>4.00</th>
<th>5.00</th>
<th>6.00</th>
<th>7.00</th>
<th>8.00</th>
<th>10.00</th>
<th>12.00</th>
<th>20.00</th>
<th>24.00</th>
<th>48.00</th>
<th>72.00</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.75</td>
<td>135.6</td>
<td>91.0</td>
<td>55.9</td>
<td>32.8</td>
<td>23.5</td>
<td>18.4</td>
<td>15.2</td>
<td>12.9</td>
<td>11.3</td>
<td>10.0</td>
<td>8.20</td>
<td>6.90</td>
<td>4.30</td>
<td>3.70</td>
<td>1.90</td>
<td>1.29</td>
<td>0.94</td>
</tr>
<tr>
<td>1.80</td>
<td>126.3</td>
<td>87.5</td>
<td>54.6</td>
<td>32.2</td>
<td>23.1</td>
<td>18.1</td>
<td>14.9</td>
<td>12.7</td>
<td>11.1</td>
<td>9.90</td>
<td>8.10</td>
<td>6.80</td>
<td>4.30</td>
<td>3.60</td>
<td>1.87</td>
<td>1.27</td>
<td>0.92</td>
</tr>
<tr>
<td>1.85</td>
<td>112.7</td>
<td>80.0</td>
<td>51.1</td>
<td>30.7</td>
<td>22.1</td>
<td>17.4</td>
<td>14.4</td>
<td>12.3</td>
<td>10.7</td>
<td>9.50</td>
<td>7.80</td>
<td>6.60</td>
<td>4.10</td>
<td>3.50</td>
<td>1.81</td>
<td>1.23</td>
<td>0.90</td>
</tr>
<tr>
<td>1.90</td>
<td>96.0</td>
<td>68.8</td>
<td>44.7</td>
<td>27.5</td>
<td>20.1</td>
<td>16.0</td>
<td>13.3</td>
<td>11.3</td>
<td>9.90</td>
<td>8.80</td>
<td>7.30</td>
<td>6.20</td>
<td>3.90</td>
<td>3.30</td>
<td>1.68</td>
<td>1.14</td>
<td>0.83</td>
</tr>
</tbody>
</table>

**Note:** Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.