

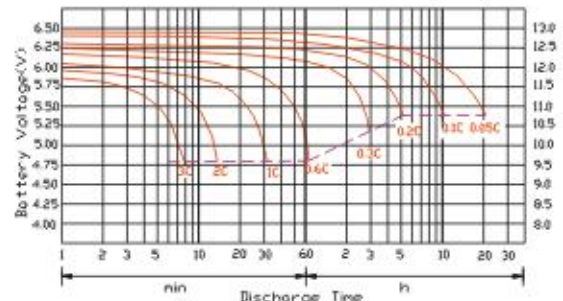
● Specifications

|                           |                     |                             |
|---------------------------|---------------------|-----------------------------|
| <b>Nominal Voltage</b>    |                     | <b>12V</b>                  |
| <b>Rated Capacity</b>     |                     | <b>55Ah</b>                 |
| <b>Dimensions</b>         | <b>Total Height</b> | <b>8.94 inches (214mm)</b>  |
|                           | <b>Height</b>       | <b>8.66 inches (210mm)</b>  |
|                           | <b>Length</b>       | <b>12.99 inches (229mm)</b> |
|                           | <b>Width</b>        | <b>6.73 inches (138mm)</b>  |
| <b>Approximate Weight</b> |                     | <b>37.48 lbs. (17kg)</b>    |

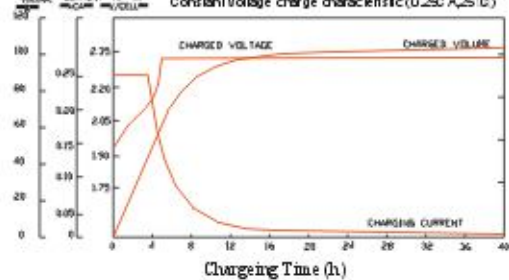
● Characteristic

|  |  |   |
|--|--|---|
| <b>Capacity<br/>77°F(25°C)</b>                                 | <b>20h rate</b>                            | <b>58Ah</b>   |
|  | <b>10h rate</b>                            | <b>55Ah</b>   |
|  | <b>5h rate</b>                             | <b>47Ah</b>   |
|  | <b>1h rate</b>                             | <b>33Ah</b>   |
|  | <b>15 min rate</b>                         | <b>23Ah</b>   |
| <b>Internal Resistance</b>                                     | <b>Full Charged Battery<br/>77°F(25°C)</b> | <b>Approx.<br/>7mΩ</b>                              |
| <b>Capacity<br/>Affected by<br/>Temperature<br/>(20h rate)</b> | <b>104°F(40°C)</b>                         | <b>102%</b>   |
|  | <b>77°F(25°C)</b>                          | <b>100%</b>   |
|  | <b>32°F(0°C)</b>                           | <b>85%</b>  |
|  | <b>5°F(-15°C)</b>                          | <b>65%</b>  |
| <b>Self-Discharge<br/>68°F(20°C)<br/>(Capacity after)</b>      | <b>3 month storage</b>                     | <b>90%</b>  |
|  | <b>6 month storage</b>                     | <b>80%</b>  |
|  | <b>12 month storage</b>                    | <b>60%</b>  |
| <b>Max. Discharge<br/>Current 77°F(25°C)</b>                   | <b>440A(5s)</b>                            |   |
| <b>Terminal</b>  | <b>T12</b>                                 |   |
| <b>Charge<br/>(Constant Voltage,25°C)</b>                      | <b>Cycle</b>                               | <b>14.4~14.7V(-24mV/°C)<br/>max. current: 16.5A</b> |
|  | <b>Float</b>                               | <b>13.6~13.8V(-18mV/°C)</b>                         |

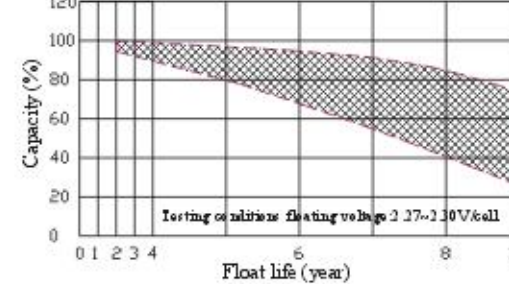
DISCHARGE CHARACTERISTICS AT 25°C(77°F)



Charge characteristic curve  
Constant voltage charge characteristic (0.25C, A, 25°C)



Life characteristics of standby use (25°C)



**Constant Current Discharge Characteristics (A,25°C)**

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h   | 5h   | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|------|------|------|------|
| 9.60V    | 180  | 130   | 96.0  | 62.0  | 36.0  | 14.7 | 10.0 | 5.63 | 3.00 |
| 10.2V    | 171  | 124   | 92.0  | 59.5  | 34.5  | 14.5 | 9.9  | 5.60 | 2.98 |
| 10.5V    | 161  | 116   | 87.0  | 56.5  | 32.5  | 14.2 | 9.7  | 5.55 | 2.95 |
| 10.8V    | 151  | 108   | 81.0  | 53.5  | 30.3  | 13.8 | 9.4  | 5.50 | 2.90 |

**Constant Wattage Discharge Characteristics (Watt,25°C)**

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h  | 5h  | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|-----|-----|------|------|
| 9.60V    | 1944 | 1430  | 1075  | 707   | 417   | 173 | 118 | 67.5 | 36.0 |
| 10.2V    | 1846 | 1364  | 1030  | 678   | 400   | 171 | 117 | 67.2 | 35.8 |
| 10.5V    | 1738 | 1276  | 974   | 644   | 377   | 167 | 115 | 66.6 | 35.4 |
| 10.8V    | 1630 | 1188  | 907   | 610   | 351   | 162 | 111 | 66.0 | 34.8 |