

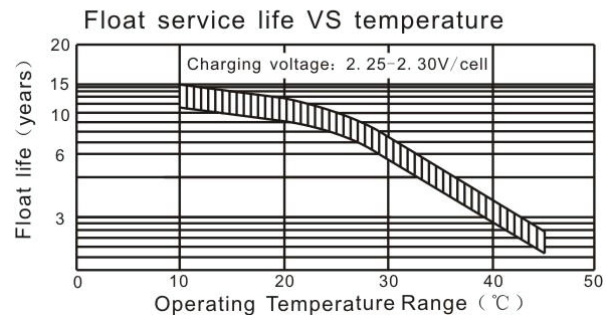
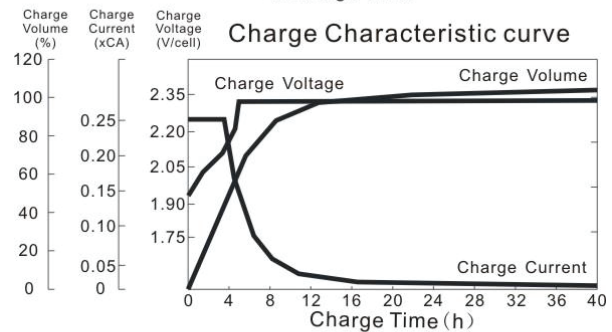
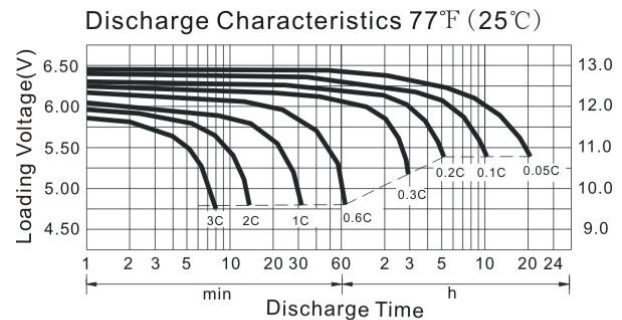
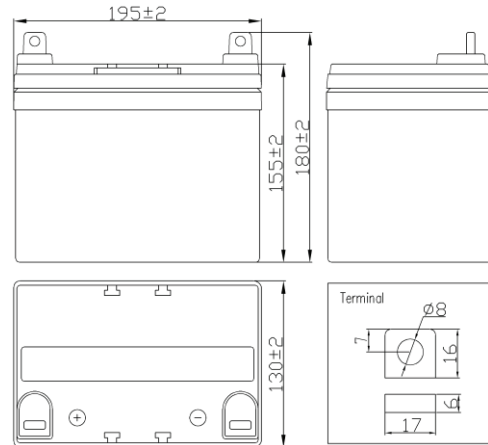


● **Specifications**

|   |                     |               |
|---|---------------------|---------------|
| <b>Nominal Voltage</b>                  |                     | <b>12V</b>    |
| <b>Rated Capacity 77°F(25°C) (10HR)</b> |                     | <b>33.0Ah</b> |
| <b>Dimensions (mm)</b>                  | <b>Length</b>       | <b>195±2</b>  |
|   | <b>Width</b>        | <b>130±2</b>  |
|   | <b>Height</b>       | <b>155±2</b>  |
|   | <b>Total Height</b> | <b>180±2</b>  |
| <b>Approx. Weight (kg)</b>              |                     | <b>9.6±3%</b> |
| <b>Terminal</b>                         |                     | <b>T8</b>     |

● **Characteristic**

|   |  |  |
|---|--|--|
| <b>Capacity 77°F(25°C)</b>                        | <b>20HR (1.75A)</b>                    | <b>35.0Ah</b>  |
|   | <b>10HR (3.30A)</b>                    | <b>33.0Ah</b>  |
|   | <b>5HR (5.61A)</b>                     | <b>28.1Ah</b>  |
|   | <b>1HR (18.15A)</b>                    | <b>18.2Ah</b>  |
|   | <b>15 min rate (57.75A)</b>            | <b>14.4Ah</b>  |
| <b>Internal Resistance</b>                        | <b>Full Charged Battery 77°F(25°C)</b> | <b>Approx. 10.5mΩ</b>                                |
| <b>Temperature dependence of capacity (10HR)</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 68°F(20°C) (Capacity after)</b> | <b>3 months</b>                        | <b>90%</b>   |
|   | <b>6 months</b>                        | <b>80%</b>   |
|   | <b>12 months</b>                       | <b>60%</b>   |
| <b>Max. Discharge Current, 77°F(25°C)</b>         |  | <b>330A(5s)</b>                                      |
| <b>Floating design life, 77°F(25°C)</b>           |  | <b>10 years</b>                                      |
| <b>Constant Voltage Charge, 77°F(25°C)</b>        | <b>Cycle</b>                           | <b>14.4~14.7V(-24mV/°C)<br/>max. current: 8.25 A</b> |
|   | <b>Float</b>                           | <b>13.6~13.8V(-18mV/°C)</b>                          |



**Constant Current Discharge Characteristics (A), 77°F(25°C)**

| F.V/TIME   | 5min  | 10min | 15min | 30min | 60min | 2H    | 3H   | 5H   | 8H   | 10H  | 20H  |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1.60V/cell | 112.2 | 92.6  | 57.7  | 33.0  | 19.1  | 11.88 | 8.76 | 5.92 | 3.96 | 3.44 | 1.80 |
| 1.70V/cell | 106.6 | 69.0  | 55.1  | 31.6  | 18.5  | 11.44 | 8.56 | 5.81 | 3.92 | 3.40 | 1.78 |
| 1.75V/cell | 101.6 | 64.7  | 54.2  | 30.9  | 18.2  | 11.22 | 8.39 | 5.71 | 3.84 | 3.35 | 1.77 |
| 1.80V/cell | 95.4  | 59.8  | 53.2  | 30.3  | 17.9  | 11.03 | 8.25 | 5.61 | 3.80 | 3.30 | 1.75 |

**Constant Wattage Discharge Characteristics (Watt), 77°F(25°C)**

| F.V/TIME   | 5min  | 10min | 15min | 30min | 60min | 2H    | 3H    | 5H    | 8H   | 10H  | 20H  |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 1.60V/cell | 199.1 | 131.8 | 105.8 | 60.7  | 35.4  | 22.20 | 16.50 | 11.28 | 7.60 | 6.72 | 3.51 |
| 1.70V/cell | 191.0 | 126.4 | 102.0 | 58.6  | 34.5  | 21.54 | 16.27 | 11.12 | 7.58 | 6.70 | 3.51 |
| 1.75V/cell | 183.8 | 119.7 | 101.1 | 57.9  | 34.2  | 21.32 | 16.09 | 11.02 | 7.52 | 6.65 | 3.51 |
| 1.80V/cell | 174.1 | 111.5 | 100.2 | 57.4  | 33.9  | 21.13 | 15.95 | 10.96 | 7.46 | 6.60 | 3.50 |