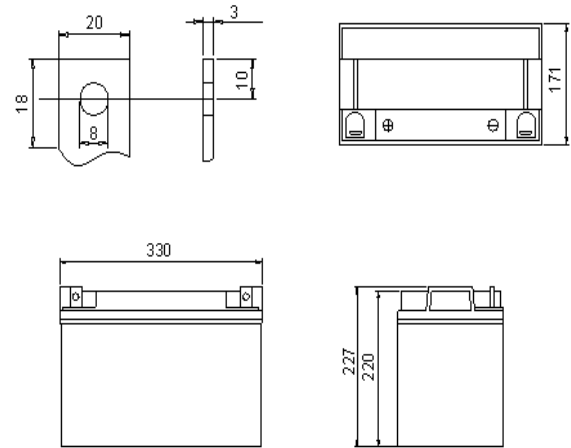




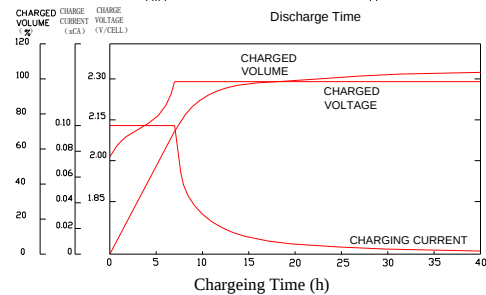
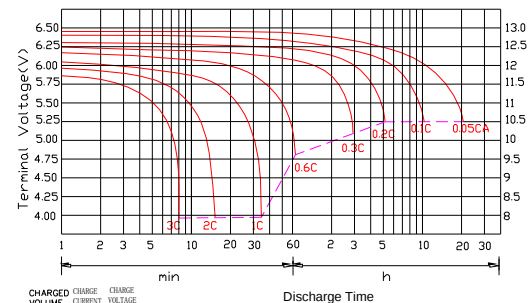
#### Specifications

|                    |              |                      |
|--------------------|--------------|----------------------|
| Nominal Voltage    |              | 12V                  |
| Rated Capacity     |              | 100Ah                |
| Dimensions         | Total Height | 8.94 inches (227mm)  |
|                    | Height       | 8.66 inches (220mm)  |
|                    | Length       | 13.00 inches (330mm) |
|                    | Width        | 6.73 inches (171mm)  |
| Approximate Weight |              | 62.7 lbs. (28.5kg)   |

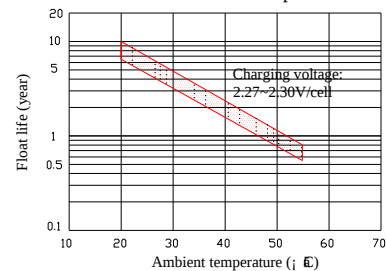
#### Characteristic

|                                                      |                                    |                                           |
|------------------------------------------------------|------------------------------------|-------------------------------------------|
| Capacity<br>77°F(25°C)                               | 20h rate                           | 107Ah                                     |
|                                                      | 10h rate                           | 100Ah                                     |
|                                                      | 5h rate                            | 91Ah                                      |
|                                                      | 1h rate                            | 62.4Ah                                    |
|                                                      | 15 min rate                        | 40.8Ah                                    |
| Internal Resistance                                  | Full Charged Battery<br>77°F(25°C) | Approx.<br>5m Ω                           |
| Capacity<br>Affected by<br>Temperature<br>(20h rate) | 104°F(40°C)                        | 102%                                      |
|                                                      | 77°F(25°C)                         | 100%                                      |
|                                                      | 32°F(0°C)                          | 85%                                       |
|                                                      | 5°F(-15°C)                         | 65%                                       |
| Ambient Temperature<br>Discharge                     | -20° C (-4° F) ~ 50° C (122° F)    |                                           |
| Design Life                                          | 10 years for standby use at 20° C  |                                           |
| Self-Discharge<br>68°F(20°C)<br>(Capacity after)     | 3 month storage                    | 90%                                       |
|                                                      | 6 month storage                    | 80%                                       |
|                                                      | 12 month storage                   | 60%                                       |
| Max. Discharge<br>Current 77°F(25°C)                 | 800A(5s)                           |                                           |
| Terminal                                             | T6/T12                             |                                           |
| Charge<br>(Constant Voltage, 25°C)                   | Cycle                              | 14.4~14.7V(-24mV/°C)<br>max. current: 30A |
|                                                      | Float                              | 13.6~13.8V(-18mV/°C)                      |

DISCHARGE CHARACTERISTICS AT 25°C (77°F)



Float service life V's temperature



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

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h   | 5h   | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|------|------|------|------|
| 9.60V    | 310  | 213   | 170   | 105   | 65.0  | 26.4 | 18.5 | 10.3 | 5.35 |
| 10.2V    | 295  | 203   | 163   | 101   | 62.4  | 26.0 | 18.2 | 10.2 | 5.35 |
| 10.5V    | 277  | 191   | 155   | 95.5  | 59.3  | 25.5 | 17.8 | 10.0 | 5.35 |

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

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h  | 5h  | 10h | 20h  |
|----------|------|-------|-------|-------|-------|-----|-----|-----|------|
| 9.60V    | 3259 | 2305  | 1864  | 1160  | 741   | 310 | 219 | 123 | 64.2 |
| 10.2V    | 3096 | 2189  | 1789  | 1128  | 711   | 306 | 215 | 122 | 64.2 |
| 10.5V    | 2910 | 2058  | 1700  | 1072  | 676   | 300 | 210 | 119 | 63.6 |