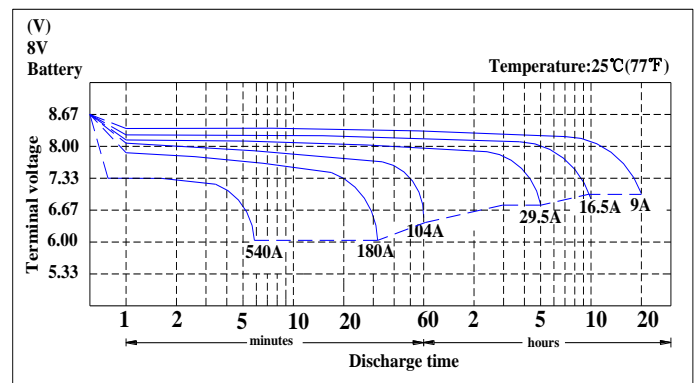


**Specifications**

|                               |                               |                           |
|-------------------------------|-------------------------------|---------------------------|
| Nominal Voltage               |                               | 8V                        |
| Rated Capacity (20 hour rate) |                               | 180AH                     |
| Dimension                     | Total Height (with terminals) | 288mm(11.34inches)        |
|                               | Height                        | 288mm(11.34inches)        |
|                               | Length                        | 260mm(10.24inches)        |
|                               | Width                         | 182mm(7.17inches)         |
| Weight                        |                               | Approx.34.3 kg (75.62lbs) |

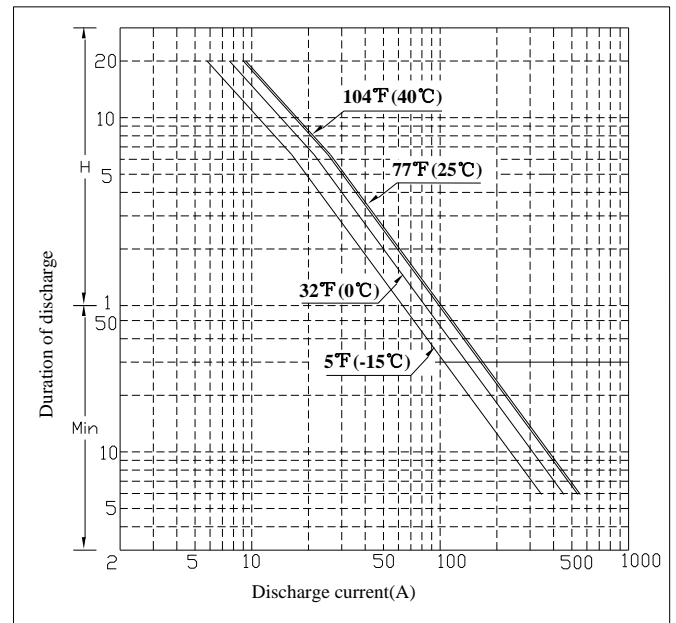
**Discharge characteristics 77°F (25°C)**



**Characteristics**

|   |                                  |  |
|---|----------------------------------|--|
| Capacity<br>77°F (25°C)                               | 20 hour rate (9.0A to 7.0Volts)  | 180AH  |
|   | 10 hour rate (16.5A to 7.0Volts) | 165AH  |
|   | 5 hour rate (29.5A to 6.8Volts)  | 147.5AH  |
| Internal Resistance                                   | Full charged 77°F (25°C)         | 2.0mΩ  |
| Capacity affected<br>by Temperature<br>(20 hour rate) | 104°F (40°C)                     | 102%   |
|   | 77°F (25°C)                      | 100%   |
|   | 32°F (0°C)                       | 85%  |
|   | 5°F (-15°C)                      | 65%  |
| Self-Discharge<br>77°F (25°C)                         | Capacity after 3 month storage   | 91%  |
|   | Capacity after 6 month storage   | 82%  |
|   | Capacity after 12 month storage  | 64%  |
| Standard Terminal                                     | M8                               |  |
| Max. Discharge<br>Current 77°F (25°C)                 | 2000A (5s)                       |  |
| Reserve Capacity<br>(Minutes to 7 V at 80°F (27°C))   |                                  | @ 25Amps 335Min  |
|   |                                  | @ 56Amps 125Min  |
| Charging<br>(Constant<br>Voltage)                     | Cycle                            | Initial Charging Current 36A Or Small<br>9.67V~9.93V/77°F (25°C) |
|   | Float                            | 9.06V~9.2V/77°F (25°C)   |

**Duration of discharge vs. Discharge current**



**Constant Current Discharge Rating Amperes @ 77 °F (25°C)**

|                        |     |     |       |      |      |      |      |      |       |      |      |
|------------------------|-----|-----|-------|------|------|------|------|------|-------|------|------|
| Cut off voltage V/cell | 30M | 45M | 1H    | 2H   | 3H   | 5H   | 8H   | 10H  | 12H   | 20H  | 24H  |
| 1.75V                  | 168 | 124 | 102.3 | 63.2 | 45.5 | 29.0 | 20.0 | 16.5 | 13.95 | 9.00 | 7.57 |