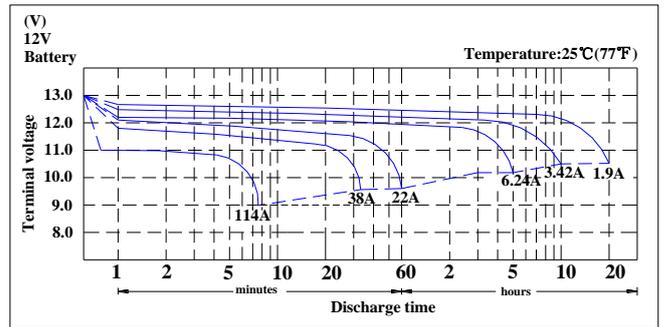


**Specifications**

|                               |                               |                          |
|-------------------------------|-------------------------------|--------------------------|
| Nominal Voltage               |                               | 12V                      |
| Rated Capacity (20 hour rate) |                               | 38AH                     |
| Dimension                     | Total Height (with terminals) | 170mm(6.69inches)        |
|                               | Height                        | 170mm(6.69 inches)       |
|                               | Length                        | 198mm(7.80 inches)       |
|                               | Width                         | 166mm(6.54inches)        |
| Weight                        |                               | Approx.13.3kg (29.26lbs) |

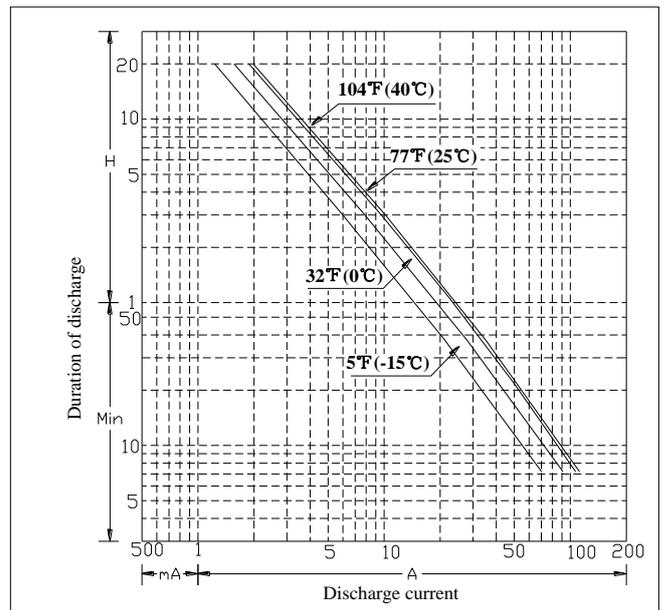
**Discharge characteristics 77°F (25°C)**



**Characteristics**

|   |  |   |
|---|--|---|
| Capacity<br>77°F (25°C)                               | 20 hour rate (1.9A to 10.5Volts)                           | 38AH  |
|   | 10 hour rate (3.42A to 10.5Volts)                          | 34.2AH  |
|   | 5 hour rate (6.24A to 10.2Volts)                           | 31.2AH  |
| Internal Resistance                                   | Full charged Battery 77°F (25°C)                           | 6.5mΩ   |
| 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                                     | M6   |   |
| Max. Discharge Current 77°F (25°C)                    | 600A (5s)  |   |
| Cranking Performance                                  | Cranking Amps<br>(30-sec amps to 7.2V @ 32° F (0° C)       | 315A  |
|   | Cold Cranking Amps<br>(30-sec amps to 7.2V @ 0° F (-18° C) | 265A  |
| Reserve Capacity<br>(Minutes to 10.5V at 80°F (27°C)  | @ 25Amps   | 52Min   |
|   | @ 75Amps   | -   |
| Charging (Constant Voltage)                           | Cycle  | Initial Charging Current 7.6A Or Small<br>14.5V~14.9V/77°F (25°C) |
|   | Float  | 13.6V~13.8V/77°F (25°C)   |

**Duration of discharge vs. Discharge current**



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

|                        |     |     |     |      |      |     |     |     |      |      |      |      |
|------------------------|-----|-----|-----|------|------|-----|-----|-----|------|------|------|------|
| Cut off voltage V/cell | 15M | 30M | 45M | 1H   | 2H   | 3H  | 5H  | 8H  | 10H  | 12H  | 20H  | 24H  |
| 1.75V                  | 58  | 36  | 27  | 21.6 | 11.4 | 8.6 | 6.0 | 4.1 | 3.42 | 2.91 | 1.90 | 1.59 |