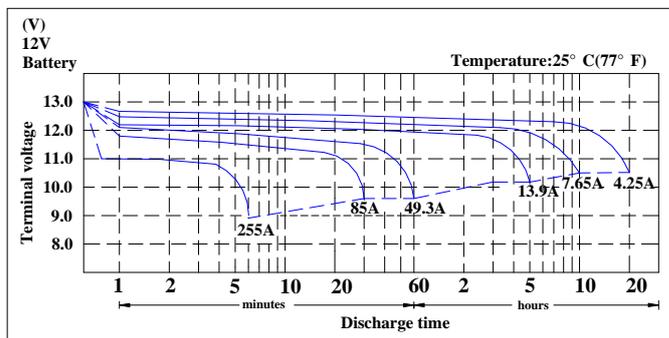


**Specifications**

|                               |                               |                          |
|-------------------------------|-------------------------------|--------------------------|
| Nominal Voltage               |                               | 12V                      |
| Rated Capacity (20 hour rate) |                               | 85AH                     |
| Dimension                     | Total Height (with terminals) | 215mm(8.46 inches)       |
|                               | Height                        | 211mm(8.31 inches)       |
|                               | Length                        | 260mm(10.24inches)       |
|                               | Width                         | 169mm(6.65inches)        |
| Weight                        |                               | Approx.25.1kg (55.34lbs) |

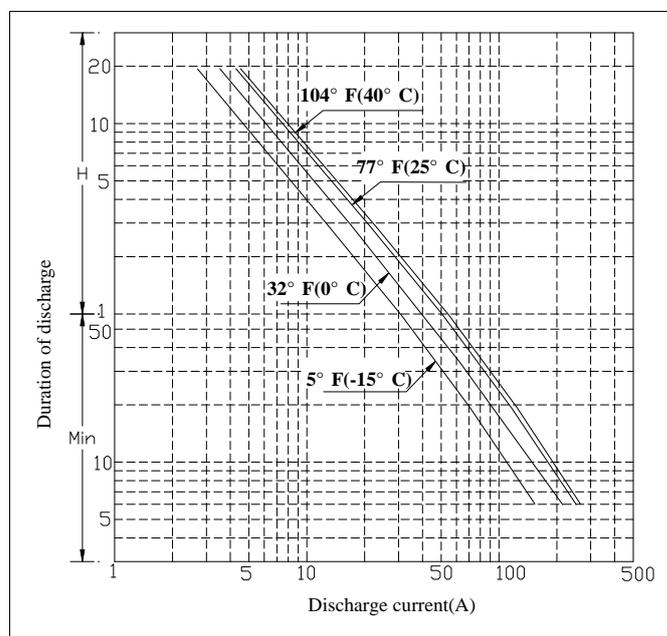
**Discharge characteristics 77°F (25°C)**



**Characteristics**

|   |   |  |
|---|---|--|
| Capacity<br>77°F (25°C)                               | 20 hour rate (4.25A to 10.5Volts)                           | 85AH   |
|   | 10 hour rate (7.65A to 10.5Volts)                           | 76.5AH   |
|   | 5 hour rate (13.9A to 10.2Volts)                            | 69.5AH   |
| Internal Resistance                                   | Full charged Battery 77°F (25°C)                            | 5.3mΩ  |
| 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)                    | 1000A (5s)  |  |
| Cranking Performance                                  | Cranking Amps<br>(30-sec amps to 7.2V @ 32° F (0° C))       | 600A   |
|   | Cold Cranking Amps<br>(30-sec amps to 7.2V @ 0° F (-18° C)) | 510A   |
| Reserve Capacity<br>(Minutes to 10.5V at 80°F (27°C)) | @ 25Amps  | 145Min   |
|   | @ 75Amps  | 34Min  |
| Charging (Constant Voltage)                           | Cycle   | Initial Charging Current 17A 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                  | 123 | 79  | 58  | 48.3 | 25.6 | 19.2 | 13.5 | 9.2 | 7.65 | 6.52 | 4.25 | 3.56 |