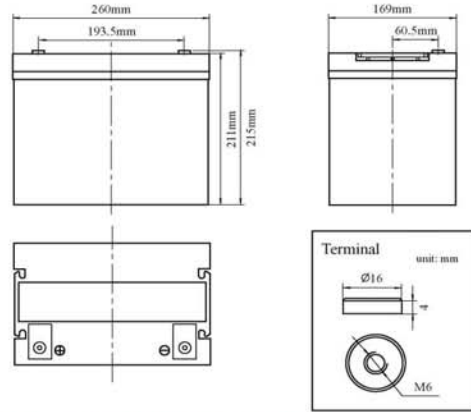


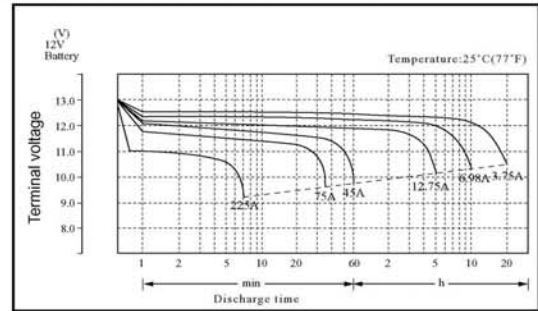
# S-12750



## Specifications

|                              |                               |                         |
|------------------------------|-------------------------------|-------------------------|
| Nominal Voltage              |                               | 12V                     |
| Rated Capacity(20 hour rate) |                               | 75AH                    |
| Dimension                    | Total Height (with terminals) | 215mm(8.46inches)       |
|                              | Height                        | 211mm(8.3inches)        |
|                              | Length                        | 260mm(10.24inches)      |
|                              | Width                         | 169mm(6.65inches)       |
| Weight                       |                               | Approx.28.2kg(62.17lbs) |

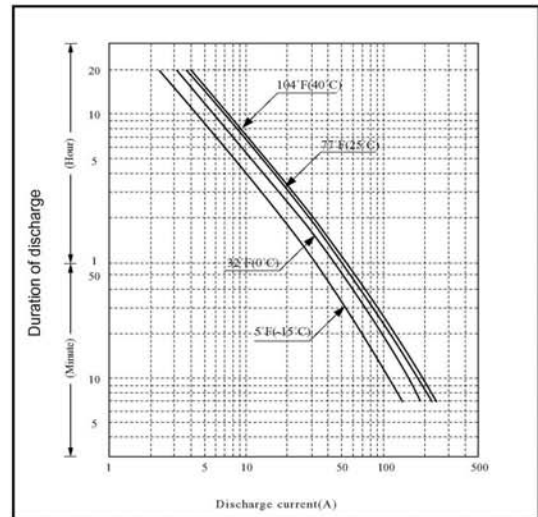
## Discharge characteristics 77°F(25°C)



## Characteristics

|   |                                 |   |
|---|---------------------------------|---|
| Capacity<br>77°F(25°C)                                | 20 hour rate(3.75A)             | 75AH  |
|   | 10 hour rate(6.98A)             | 69.8AH  |
|   | 5 hour rate(12.75A)             | 63.8AH  |
|   | 1 hour rate(45A)                | 45AH  |
|   | 15 min rate(131.2A)             | 32.8AH  |
| Internal Resistance                                   | Full charged Battery 77°F(25°C) | 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%   |
| Max. Discharge Current 77°F(25°C)                     |                                 | 1125A(5S)   |
| Terminal  | Standard                        | F15   |
|   | Optional                        |   |
| Charging<br>(Constant Voltage)                        | Cycle                           | Initial Charging Current 15A 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 Power Discharge Watts Per Cell @ 77°F(25°C)

| Cut off voltageV/cell | 5M  | 10M | 15M | 30M | 45M | 1H   | 2H   | 3H   | 5H   | 8H   | 10H  | 12H  | 24H  |
|-----------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 1.60                  | 500 | 359 | 287 | 172 | 124 | 96.8 | 56.3 | 39.3 | 26.4 | 17.3 | 14.5 | 12.5 | 6.43 |
| 1.65                  | 491 | 356 | 284 | 171 | 123 | 95.9 | 55.9 | 39.0 | 26.4 | 17.3 | 14.5 | 12.5 | 6.43 |
| 1.67                  | 485 | 352 | 280 | 169 | 122 | 95.2 | 55.6 | 38.7 | 26.4 | 17.3 | 14.5 | 12.5 | 6.43 |
| 1.70                  | 471 | 342 | 270 | 165 | 119 | 94.3 | 55.2 | 38.3 | 26.4 | 17.3 | 14.5 | 12.5 | 6.43 |
| 1.75                  | 451 | 328 | 259 | 159 | 116 | 92.7 | 54.7 | 37.9 | 26.0 | 17.0 | 14.4 | 12.5 | 6.43 |
| 1.80                  | 433 | 315 | 248 | 153 | 113 | 91.2 | 54.1 | 37.4 | 25.6 | 16.7 | 14.1 | 12.3 | 6.43 |

**Note** The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.