

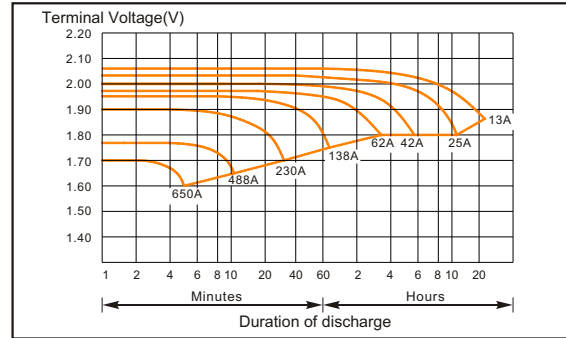
**Specifications**

|                              |        |                        |
|------------------------------|--------|------------------------|
| Nominal Voltage              |        | 2V                     |
| Rated Capacity(10 hourrate)  |        | 250Ah(25 °C)           |
| Total Height(with terminals) |        | 399mm (15.71 inches)   |
| Dimension                    | Height | 355mm (13.98 inches)   |
|                              | Length | 206mm (8.11 inches)    |
|                              | Width  | 124mm (4.88 inches)    |
| Weight                       |        | Approx.23Kg (50.71lbs) |

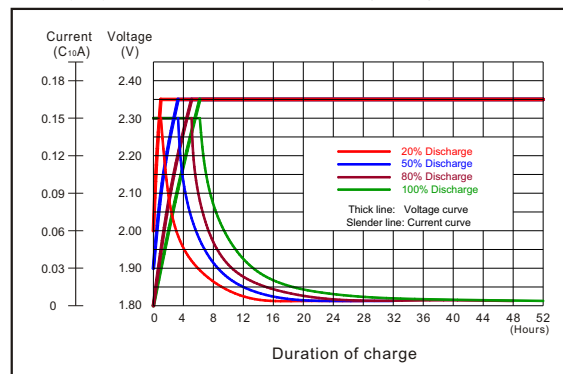
**Characteristics**

|                                      |                                |                    |
|--------------------------------------|--------------------------------|--------------------|
| Capacity (25 °C)                     | 20Hr                           | 273Ah              |
|                                      | 10Hr                           | 250Ah              |
|                                      | 5Hr                            | 210Ah              |
|                                      | 1Hr                            | 138Ah              |
| Internal Resistance(Full charged)    |                                | 0.62 mΩ (25 °C)    |
| Capacity affected by temperature     | 40 °C                          | 109%               |
|                                      | 25 °C                          | 100%               |
|                                      | 0 °C                           | 88%                |
|                                      | -15 °C                         | 76%                |
| Self-Discharge (25 °C)               | Capacity after 3 month storage | 92%                |
| Charging(25 °C)                      | Cycle                          | 2.35V,38A or small |
|                                      | Float                          | 2.23V,38A or small |
| Temperature compensation coefficient |                                | -0.003V / °C       |

**Discharging Characteristics Curves (25 °C)**



**Charging Characteristics Curves (25 °C)**



**Constant current discharge (Ampere/cell @25 °C)**

| Final Voltage (V/cell) | Minute |     |     |     |     |     |     | Hour |    |    |      |      |      |      |      |
|------------------------|--------|-----|-----|-----|-----|-----|-----|------|----|----|------|------|------|------|------|
|                        | 5      | 10  | 15  | 20  | 30  | 40  | 50  | 1    | 2  | 3  | 4    | 5    | 6    | 8    | 10   |
| 1.85                   | 465    | 400 | 263 | 212 | 178 | 153 | 135 | 125  | 80 | 61 | 49.0 | 40.5 | 35.0 | 29.3 | 24.5 |
| 1.80                   | 500    | 420 | 315 | 244 | 198 | 168 | 143 | 130  | 82 | 62 | 50.8 | 42.0 | 35.5 | 30.0 | 25.0 |
| 1.75                   | 550    | 445 | 350 | 271 | 203 | 174 | 150 | 138  | 83 | 64 | 51.5 | 43.3 | 36.3 | 30.3 | 25.3 |
| 1.70                   | 595    | 470 | 365 | 292 | 230 | 183 | 158 | 143  | 84 | 65 | 51.8 | 43.5 | 36.6 | 30.5 | 25.5 |
| 1.65                   | 625    | 488 | 378 | 301 | 238 | 190 | 168 | 150  | 87 | 66 | 52.0 | 43.8 | 36.8 | 30.8 | 25.5 |
| 1.60                   | 650    | 500 | 388 | 313 | 250 | 198 | 175 | 155  | 88 | 66 | 52.3 | 44.0 | 37.0 | 30.8 | 25.8 |

**Constant power discharge (Watt/cell @25 °C)**

| Final Voltage (V/cell) | Minute |     |     |     |     |     |     | Hour |     |       |      |      |      |      |      |
|------------------------|--------|-----|-----|-----|-----|-----|-----|------|-----|-------|------|------|------|------|------|
|                        | 5      | 10  | 15  | 20  | 30  | 40  | 50  | 1    | 2   | 3     | 4    | 5    | 6    | 8    | 10   |
| 1.85                   | 810    | 720 | 473 | 375 | 318 | 285 | 260 | 235  | 150 | 115.0 | 94.5 | 78.8 | 67.0 | 54.8 | 47.8 |
| 1.80                   | 900    | 755 | 568 | 438 | 355 | 300 | 270 | 248  | 158 | 119.0 | 96.5 | 82.0 | 69.0 | 58.5 | 48.8 |
| 1.75                   | 990    | 800 | 630 | 470 | 365 | 315 | 279 | 255  | 160 | 120.8 | 97.8 | 84.5 | 71.8 | 59.3 | 49.3 |
| 1.70                   | 1073   | 845 | 658 | 500 | 383 | 330 | 286 | 260  | 163 | 121.8 | 98.0 | 85.0 | 72.3 | 59.8 | 49.5 |
| 1.65                   | 1125   | 878 | 678 | 528 | 398 | 340 | 291 | 265  | 165 | 122.5 | 98.3 | 85.5 | 72.8 | 60.0 | 49.8 |
| 1.60                   | 1170   | 900 | 698 | 563 | 410 | 348 | 295 | 268  | 168 | 123.5 | 98.5 | 85.8 | 73.3 | 60.3 | 50.0 |

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