

## SPECIFICATION

Temperature: 25°C

|                                               |                                                                       |
|-----------------------------------------------|-----------------------------------------------------------------------|
| Nominal Voltage                               | 12V                                                                   |
| Nominal Capacity (20 hour-rate to 1.75V/Cell) | 9.0Ah                                                                 |
| Dimension (Length*Width*Height)               | 151*65*99mm                                                           |
| Approx Weight                                 | 2.35Kg                                                                |
| Internal Resistance                           | 20m Ω                                                                 |
| Operating Temperature Range                   | Charging: 0 to 40°C<br>Discharge: -20 to 55°C<br>Storage: -15 to 50°C |
| Capacity affected by Temperature              | 40°C 105% 25°C 100% 0°C 86%                                           |
| Float Charging Voltage                        | 13.5 to 13.8V; Recom. 13.6V                                           |
| Cycle Use Charging Voltage                    | 14.4 to 15.0V; Recom. 14.7V                                           |
| Float Charging Temp. Coefficient              | -18mV/°C                                                              |
| Cycle Use Charging Temp. Coefficient          | -30mV/°C                                                              |
| Max. Charging Current                         | 2.7A                                                                  |
| Max. Continuous Discharge Current             | 45A                                                                   |
| Month Self Discharge                          | 2% (20°C)                                                             |
| Terminal                                      | T2 (250)                                                              |
| Container Material                            | ABS (UL94-HB)                                                         |



## Constant Current Discharge

Temperature: 25°C

| Time<br>F.V. (V/Cell) | 5min | 10min | 15min | 20min | 30min | 45min | 1h   | 1.5h | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|-----------------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 1.85                  | 22.6 | 15.6  | 12.3  | 10.1  | 7.58  | 5.62  | 4.76 | 3.56 | 2.85 | 2.13 | 1.69 | 1.41 | 1.21 | 0.92 | 0.75 | 0.42 |
| 1.80                  | 26.3 | 18.4  | 14.3  | 11.6  | 8.57  | 6.28  | 5.26 | 3.89 | 3.10 | 2.31 | 1.82 | 1.51 | 1.30 | 0.98 | 0.80 | 0.44 |
| 1.75                  | 28.7 | 19.7  | 15.2  | 12.2  | 8.96  | 6.54  | 5.46 | 4.02 | 3.19 | 2.37 | 1.86 | 1.55 | 1.32 | 1.00 | 0.81 | 0.45 |
| 1.70                  | 31.1 | 21.0  | 16.0  | 12.8  | 9.36  | 6.79  | 5.66 | 4.16 | 3.29 | 2.44 | 1.91 | 1.58 | 1.35 | 1.02 | 0.82 | 0.45 |
| 1.67                  | 32.5 | 21.8  | 16.5  | 13.2  | 9.59  | 6.94  | 5.78 | 4.23 | 3.35 | 2.47 | 1.94 | 1.60 | 1.37 | 1.03 | 0.83 | 0.45 |
| 1.60                  | 35.8 | 23.6  | 17.7  | 14.0  | 10.1  | 7.30  | 6.06 | 4.42 | 3.49 | 2.56 | 2.00 | 1.65 | 1.41 | 1.05 | 0.85 | 0.46 |

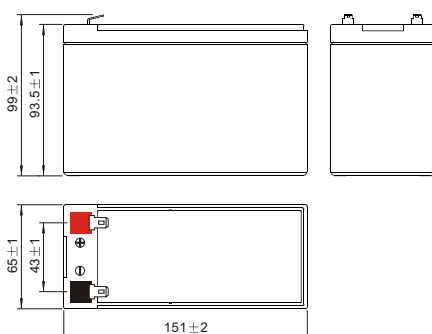
## Constant Power Discharge

Temperature: 25°C

| Time<br>F.V. (V/Cell) | 5min | 10min | 15min | 20min | 30min | 45min | 1h   | 1.5h | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|-----------------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 1.85                  | 43.0 | 29.9  | 23.7  | 19.4  | 14.7  | 10.9  | 9.25 | 6.93 | 5.56 | 4.18 | 3.31 | 2.77 | 2.38 | 1.81 | 1.48 | 0.83 |
| 1.80                  | 49.5 | 34.8  | 27.3  | 22.2  | 16.4  | 12.1  | 10.2 | 7.54 | 6.02 | 4.50 | 3.56 | 2.97 | 2.55 | 1.93 | 1.58 | 0.87 |
| 1.75                  | 53.4 | 36.9  | 28.6  | 23.0  | 17.0  | 12.5  | 10.5 | 7.75 | 6.17 | 4.60 | 3.63 | 3.03 | 2.59 | 1.96 | 1.60 | 0.88 |
| 1.70                  | 57.0 | 38.9  | 29.9  | 24.0  | 17.6  | 12.9  | 10.8 | 7.96 | 6.34 | 4.71 | 3.71 | 3.09 | 2.64 | 2.00 | 1.62 | 0.90 |
| 1.67                  | 59.0 | 40.1  | 30.9  | 24.5  | 18.0  | 13.1  | 10.9 | 8.08 | 6.42 | 4.77 | 3.76 | 3.12 | 2.67 | 2.01 | 1.64 | 0.90 |
| 1.60                  | 64.3 | 42.9  | 32.3  | 25.8  | 18.8  | 13.6  | 11.4 | 8.37 | 6.64 | 4.92 | 3.86 | 3.20 | 2.73 | 2.05 | 1.67 | 0.92 |

## Dimensions (mm)

## Discharge characteristics



Terminal

T2/T1

