## **Specifications**

| Nominal voltage   | 12V                     |      |                        |        |                       |           |                       |
|-------------------|-------------------------|------|------------------------|--------|-----------------------|-----------|-----------------------|
| Rated capacity    | 100hr rate (1.80V/cell) |      | 20hr rate (1.80V/cell) |        | 5hr Rate (1.70V/cell) |           | 1hr Rate (1.60V/cell) |
| (27° C)           | 228Ah                   |      |                        | 200Ah  | ,                     | 167Ah     | 126Ah                 |
| Dimensions        | Length                  | Wid  | Width Height o         |        | case                  | Height to | terminals             |
|                   | 522±2mm                 | 239± | 2mm                    | 220±2ı | mm                    | 224±2     | mm                    |
| Weight /Kg (lbs)  | 66.5 Kg (146.61lbs)     |      |                        |        |                       |           |                       |
| Type of Terminals | M8                      |      |                        |        |                       |           |                       |

## **Technical Characteristics**

| Design Life                        | 700 cycles acc   | ycles according to IEC 254-1 with 75 % DOD |  |  |  |  |
|------------------------------------|--|--|--|--|--|--|
| Plate                              | Grid plate construction consisting of a lead calcium alloy |  |  |  |  |  |
| Container M                        | laterial   | ABS-UL94HB                                 |  |  |  |  |
| Electrolyte Type                   |  | Sulfuric Acid Thyrotrophic gell            |  |  |  |  |
| Vent                               |  | Self-Sealing (2 PSI Operation)             |  |  |  |  |
| Type of Plat                       | es/Alloy   | Flat Plates/Lead-Calcium-Tin Alloy         |  |  |  |  |
| Type of Sep                        | arator   | PVC  |  |  |  |  |
| <b>Operating Temperature Range</b> |  | -40° C to +55 ° C                          |  |  |  |  |
| Charge Voltage @ 77 °F ( 25 °C) *  |  |  |  |  |  |  |
| Cycle use                          |  | 2.40-2.45VPC                               |  |  |  |  |
| Standby use                        | e  | 2.25-2.30VPC                               |  |  |  |  |
| Standby use                        | <b>e</b>   | 2.25-2.30VPC                               |  |  |  |  |

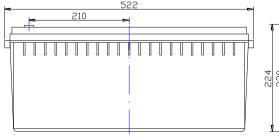
## **Charging temperature compensation**

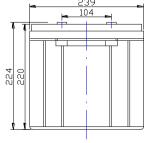
0.028 VPC for every 10 $^{\circ}$  F (5.55 $^{\circ}$  C) above or below 77 $^{\circ}$  F (25 $^{\circ}$  C) (add 0.028 VPC for every 10 $^{\circ}$  F (5.55 $^{\circ}$  C) below 77 $^{\circ}$  F and subtract 0.028 VPC for every 10 $^{\circ}$  C above 77 $^{\circ}$  F).

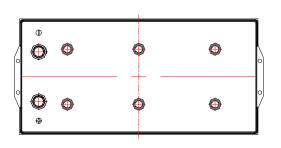
Storage time at 20°C 12 months

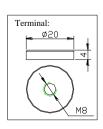


## **Battery Dimensions**









<sup>\*</sup> Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.