

### Specifications

|                          |                         |                        |                       |                       |      |
|--------------------------|-------------------------|------------------------|-----------------------|-----------------------|------|
| <b>Nominal voltage</b>   | 12V                     |                        |                       |                       |      |
| <b>Rated capacity</b>    | 100hr rate (1.80V/cell) | 20hr rate (1.80V/cell) | 5hr Rate (1.70V/cell) | 1hr Rate (1.60V/cell) |      |
|                          | (27° C)                 | 57Ah                   | 50Ah                  | 42Ah                  | 31Ah |
| <b>Dimensions</b>        | Length                  | Width                  | Height of case        | Height to terminals   |      |
|                          | 241 ±2mm                | 175 ±2mm               | 190 ±2mm              | 190 ±2mm              |      |
| <b>Weight /Kg (lbs)</b>  | 17.70 Kg (39.02lbs)     |                        |                       |                       |      |
| <b>Type of Terminals</b> | AP                      |                        |                       |                       |      |

### Technical Characteristics

|   |  |
|---|--|
| <b>Design Life</b>                        | 450 cycles according to IEC 254-1 with 75 % DOD  |
| <b>Plate</b>                              | Grid plate construction consisting of a lead calcium alloy   |
| <b>Container Material</b>                 | ABS-UL94HB   |
| <b>Electrolyte Type</b>                   | Sulfuric Acid Thyrotrophic gell  |
| <b>Vent</b>                               | Self-Sealing (2 PSI Operation)   |
| <b>Type of Plates/Alloy</b>               | Flat Plates/Lead-Calcium-Tin Alloy   |
| <b>Type of Separator</b>                  | PVC  |
| <b>Operating Temperature Range</b>        | -40° C to +55 ° C  |
| <b>Charge Voltage @ 77 °F ( 25 °C ) *</b> |  |
| <b>Cycle use</b>                          | 2.40-2.45VPC   |
| <b>Standby use</b>                        | 2.25-2.30VPC   |
| <b>Charging temperature compensation</b>  |  |
|   | 0.028 VPC for every 10° F (5.55° C) above or below 77° F (25° C)<br>(add 0.028 VPC for every 10° F (5.55° C) below 77° F and subtract<br>0.028 VPC for every 10° C above 77° F). |
| <b>Storage time at 20°C</b>               | 12 months  |



\* 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.

### Battery Dimensions

