



*Sealed Lead-Acid  
Rechargeable Battery*

**12V 12Ah**



*Manufactured By*  
EEMB Company Limited

## Sealed Lead-Acid Rechargeable Battery

### Features:

- Multi cell design for economy of installation and maintenance.
- Individual valve for each cell.
- High quality optional Flame retardant ABS for case and cover.
- Absorbent Glass Matt (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- Not restricted for air transport.
- Not restricted for surface transport.
- Long life.
- Float/Cycle use.
- Low self-discharge rate.
- Use in any position

### Specification:

|                                                                          |                                    |         |
|--------------------------------------------------------------------------|------------------------------------|---------|
| <b>Nominal Capacity (V)</b>                                              | 12Volts (6 cells in series)        |         |
| <b>Nominal Capacity(Ah)</b>                                              |                                    |         |
| 20 hours rate F.V. (1.75V/cell) (60mA to 5.25V)                          |                                    | 12Ah    |
| 10 hours rate F.V. (1.75V/cell) (110mA to 5.25V)                         |                                    | 10.75Ah |
| 5 hours rate F.V. (1.75V/cell) (200mA to 5.10V)                          |                                    | 9.75Ah  |
| 1 hour rate F.V. (1.75V/cell) (700mA to 4.80V)                           |                                    | .8Ah    |
| <b>Approximate Weight</b>                                                | 4030g. (5.50lbs.)                  |         |
| <b>Terminal</b>                                                          |                                    |         |
| Standard                                                                 | Type ST1, Position D               |         |
| Optional                                                                 | Type ST2                           |         |
| <b>Internal Resistance (Fully Charged Battery)</b>                       |                                    | <20m    |
| <b>Maximum Charge Current (A)</b>                                        | 18A                                |         |
| <b>Maximum Charge Current (A)</b>                                        | 6A                                 |         |
| <b>Ambient Temperature</b>                                               |                                    |         |
| Charge                                                                   | 0°C(32°F) ~ 40°C(104°F)            |         |
| Discharge                                                                | -20°C(-4°F) ~ 50°C(122°F)          |         |
| Storage                                                                  | -20°C(-4°F) ~ 50°C(122°F)          |         |
| <b>Vibration Test (2000 cycles/minute, 0.10 inch excursion, 2 hours)</b> | No loss in capacity or performance |         |
| <b>Shelf Life-% of nominal capacity at 20°C 2°C(68°F)</b>                |                                    |         |
| 3 Months                                                                 | 93%                                |         |
| 6 Months                                                                 | 83%                                |         |
| <b>Case</b>                                                              | .ABS                               |         |

**Dimension mm (inch)**

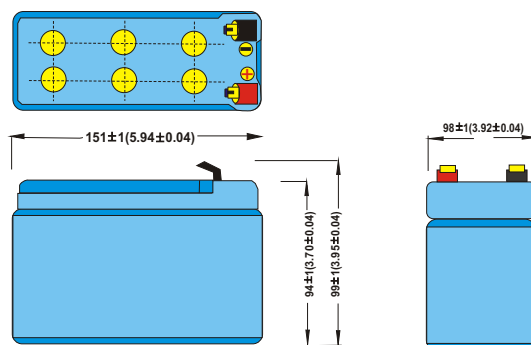
|                  |                  |            |
|------------------|------------------|------------|
| Length           | $\pm 1\text{mm}$ | 151(5.95") |
| Width            | $\pm 1\text{mm}$ | 98(3.92")  |
| Container Height | $\pm 1\text{mm}$ | 94(3.70")  |
| Total Height     | $\pm 2\text{mm}$ | 99(3.96")  |

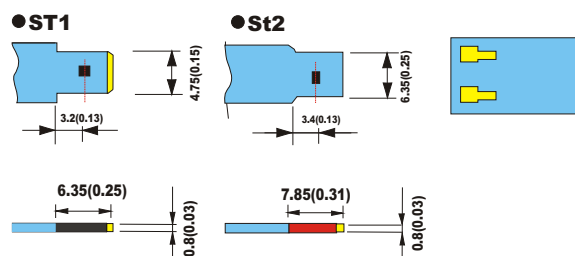
**Application:**

- **Mower**
- **Medical Electronic Equipment**
- **UPS**
- **Golf-Cars**

**OUTER DIMENSIONS**

mm

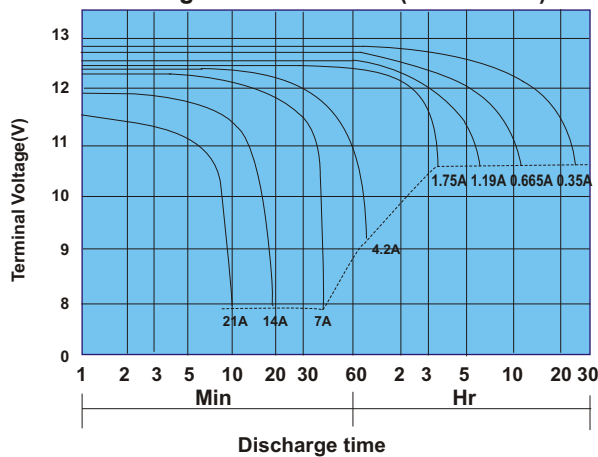

**TERMINAL TYPE**  
mm(inch)

**TERMINAL POSITION**


### Charging Voltage 20°C(68°F)

| Charge Method | Voltage Setting | Time     | Highest Charging Current | Remarks                                                                                                         |
|---------------|-----------------|----------|--------------------------|-----------------------------------------------------------------------------------------------------------------|
| Floating      | 13.65±0.15      | 16 Hours | Unlimited                | When used frequently under 0°C or above 40°C, the voltage must be adjusted by -18mV/°C(using 20°C as reference) |
| Cycling       | 14.4~15         | 16 Hours | 2.1A                     | When used frequently under 5°C or above 35°C. The voltage must be adjusted by -24V/°C(using 20°C as reference)  |

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



### Discharge Characteristics(0°C/32°F,40°C/104°F)

