



## Features

- Patented Quad Terminal Design - Reduce carrying costs
- 12V VRLA Hi Capacity Starting Battery
- Absorbed Glass Mat (AGM) technology
- Brass Terminals - superior conductivity
- US IATA certified non-spillable
- Highest AH Capacity in the Industry
- Factory Activated-Ready to Install

## Performance Specifications

**Nominal Voltage** ----- 12 volts (6 cells)

### Nominal Capacity

|                                |       |               |
|--------------------------------|-------|---------------|
| 20-hr. (0.725A to 10.50 volts) | ----- | 14.9AH        |
| 10-hr. (1.45A to 10.50 volts)  | ----- | 14.5AH        |
| 5-hr. (2.9A to 10.20 volts)    | ----- | 12.3AH        |
| 1C. (14.5A to 9.6 volts)       | ----- | 41Min (9.9AH) |
| 8C. (116A to 6.00 volts)       | ----- | 3Min (5.8AH)  |

**Approximate Weight** ----- 9.37 lbs. ( 4.25kg)

**Energy Density (20-hr. rate)** ----- 1.65W-h/in<sup>3</sup>(100.8 W-h/l)

**Specific Energy (20-hr. rate)** ----- 19.1W-h/lb (42.1 W-h/kg)

**Internal Resistance (approx)** ----- 18 milliohms

**CCA (-0.4°F/-18°C,7.2V,30S)** ----- 175 amperes

**CA (68°F/20°C,7.2V,30S)**----- 240 amperes

**Shelf Life (% of nomomal capacityat 68°F (20°C)----- SOC% OCV**

|          |       |     |        |
|----------|-------|-----|--------|
| 1 Months | ----- | 97% | 12.78V |
| 3 Months | ----- | 91% | 12.7V  |
| 6 Months | ----- | 83% | 12.5V  |

### Operating Temperature Range

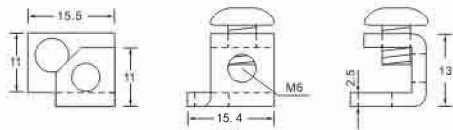
|           |       |                              |
|-----------|-------|------------------------------|
| Charge    | ----- | -4°F(-20°C) to 122°F(50°C)   |
| Discharge | ----- | -40°F (-40°C) to 140°F(60°C) |

**Case** ----- ABS

**Carton Contents** -----1-MotoBatt MB10U Battery,  
Fit spacers (1 bottom),4 stainless steel terminal screws, 2 brass terminals, 4mm Allen Wrench, Install / user manual.

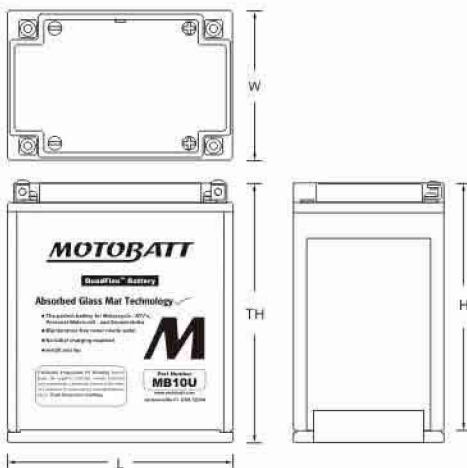
## Brass Terminals

(mm)



Terminal Screws: Stainless, M6 Thread  
Fastener: 4mm Allen Hex

## Physical Dimensions: (in./mm)



L:5.31(135) W:3.54(90) H:5.75(146)  
TH.:6.10(155)

Tolerances are +/-0.04in.(+/-1mm) and +/-0.08in.(+/-2mm) for height dimensions.



RETAIL CARTON



"C" TERMINAL



TERMINAL COVER

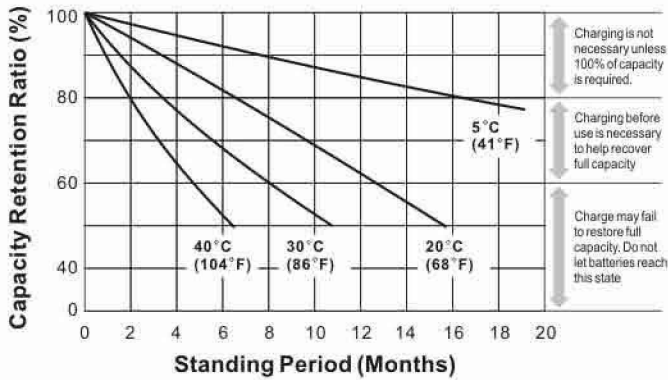


SCREW

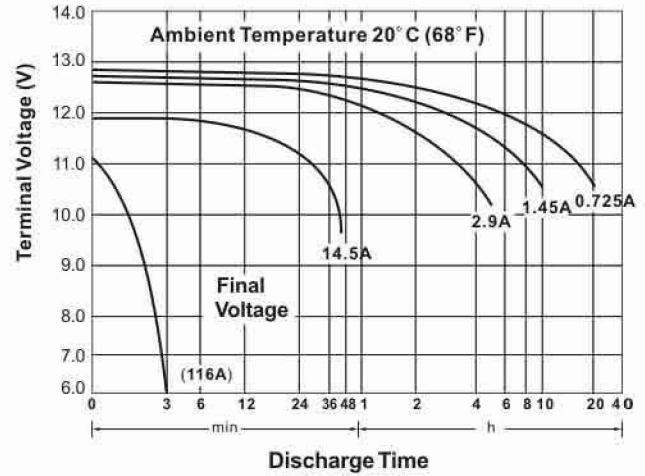


WRENCH

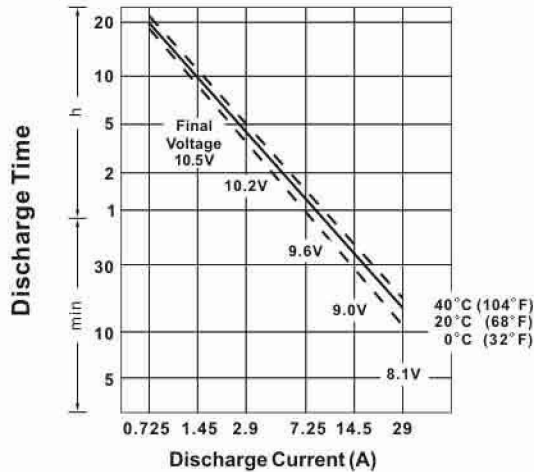
## Shelf life & Storage



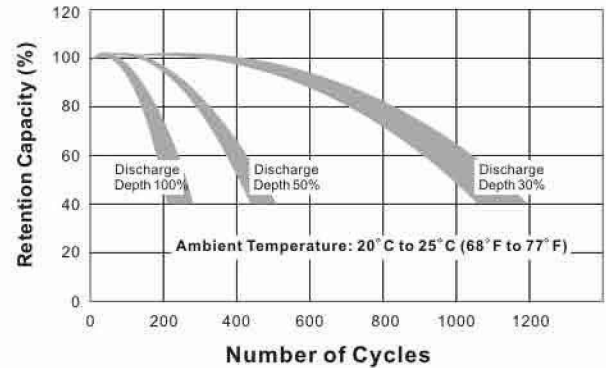
## Discharge Characteristics



## Discharge Time vs. Discharge Current



## Life Characteristics in Cyclic Use



## Charging

**Cycle Applications:** Limit initial current to 4.35A. Charge until battery voltage (under charge) reaches 14.8 to 15.0 volts at 68°F (20°C). Hold at 14.8 to 15.0 volts until current drops to under 280mA. Battery is fully charged under these conditions, and charger should be disconnected or switched to "float" voltage.

**Note:** Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged within 6 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

## Can be used to replace

|         |          |          |         |
|---------|----------|----------|---------|
| 12N103A | 12N103A1 | 12N103A2 | 12N103B |
| YB10AA2 | YB10LA2  | YB10LB   | YB10LB2 |
| 12N113A | 12N113A1 | 12N113B  |         |
|         |          |          |         |
|         |          |          |         |
|         |          |          |         |