



## 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. (0.75A to 10.50 volts)-----	15.5 AH
10-hr. (1.5A to 10.50 volts)-----	15.0AH
5-hr. (3.0A to 10.20 volts)-----	12.8AH
1C. (15.0A to 9.6 volts)-----	43Min (10.7AH)
8C. (120A to 6.00 volts)-----	3Min (6.0AH)

**Approximate Weight** ----- 9.70 lbs. ( 4.40kg)

**Energy Density** (20-hr. rate) ----- 1.75W-h/in<sup>3</sup> (106.6 W-h/l)

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

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

**CCA** (-0.4°F/-18°C,7.2V,30S)----- 160 amperes

**CA** (68°F/20°C,7.2V,30S)----- 270 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

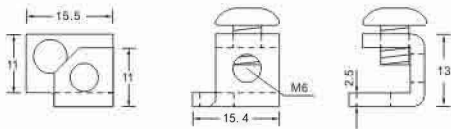
**Carton Contents** -----1-MotoBatt MB12U Battery,  
Fit spacers (1 bottom),4 stainless steel terminal screws, 2 brass  
terminals, 4mm Allen Wrench, Install / user manual.



\*C\* TERMINAL    TERMINAL COVER    SCREW    WRENCH

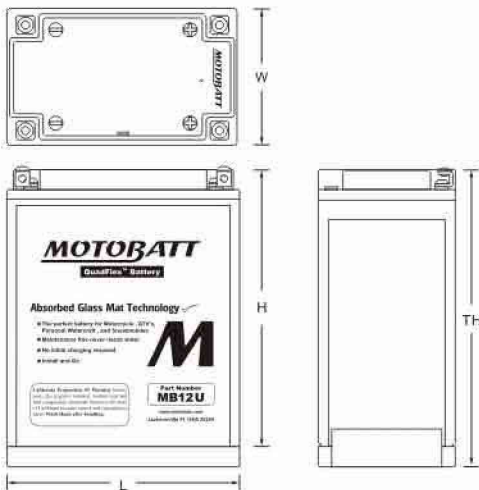
RETAIL CARTON

## Brass Terminals (mm)



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

## Physical Dimensions: (in./mm)

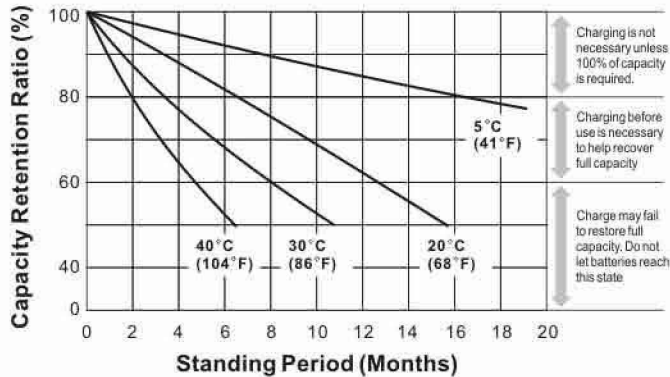


L:5.31(135)    W:3.15(80)    H:6.34(161)

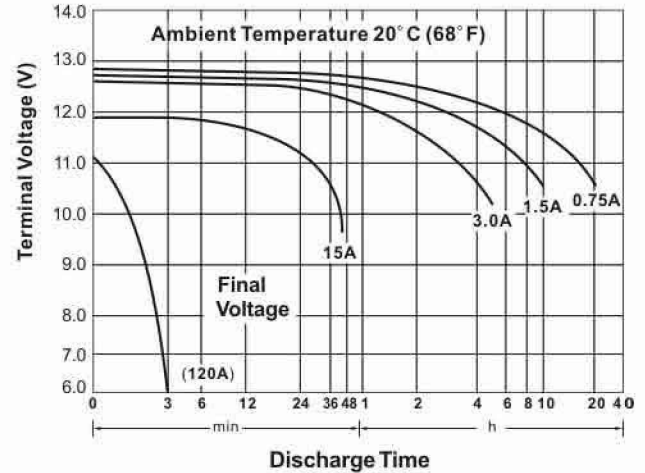
TH.:6.89(175)

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

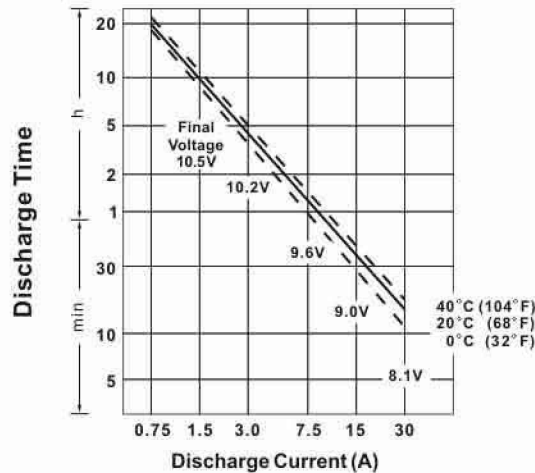
## Shelf life & Storage



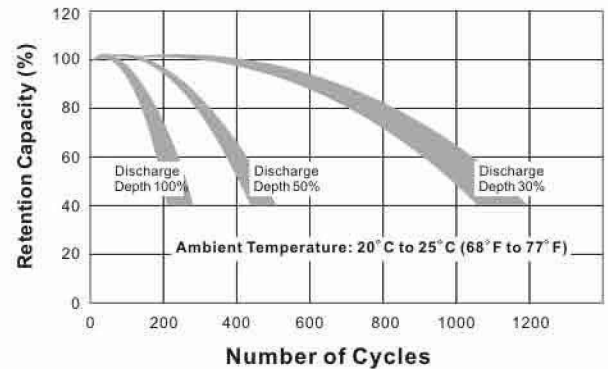
## Discharge Characteristics



## Discharge Time vs. Discharge Current



## Life Characteristics in Cyclic Use



## Charging

**Cycle Applications:** Limit initial current to 4.5A. 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 300mA. 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

YB12AA	YB12AAS	YB12AAWS	YB12ALA
YB12ALA2	YB12AB	YB12CA	12N124A
12N12A4A1			