

# MOTOBATT

QuadFlex™ Battery  
 WWW.MOTOBATT.COM  
 MBT6N4



## 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** ----- 6 volts (3 cells)

### Nominal Capacity

20-hr. (0.2A to 10.50 volts)-----	4.2AH
10-hr. (0.4A to 10.50 volts)-----	4.0 AH
5-hr. (0.8A to 10.20 volts)-----	3.4 AH
1C. (4.0A to 9.6 volts)-----	3.8 Min (2.5AH)
8C. (32.0A to 6.00 volts)-----	3Min (1.60AH)

**Approximate Weight** ----- 1.61 lbs. ( 0.73kg)

**Energy Density** (20-hr. rate) ----- 2.59W-h/in<sup>3</sup> (159.6 W-h/l)

**Specific Energy** (20-hr. rate) ----- 31.3W-h/lb (69.0 W-h/kg)

**Internal Resistance** (approx) ----- 20 milliohms

**Shelf Life** (% of nominal capacity at 68°F (20°C))----- SOC%    OCV

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

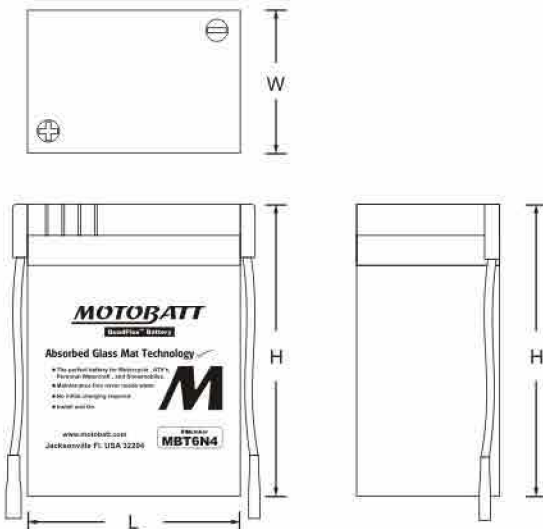
### Operating Temperature Range

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 MBT6N4 Battery

## Physical Dimensions: (in./mm)



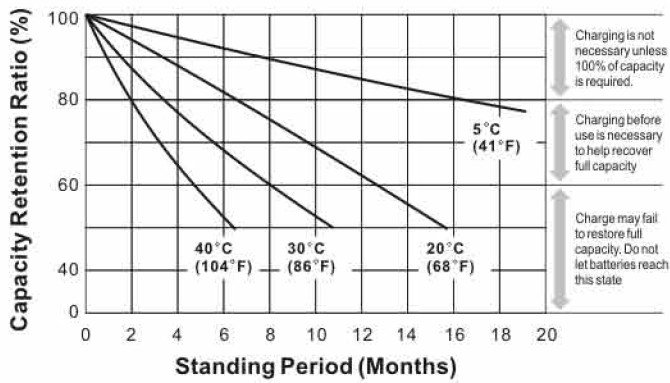
L:2.76(70)    W:1.85(47)    H:3.80(96)

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

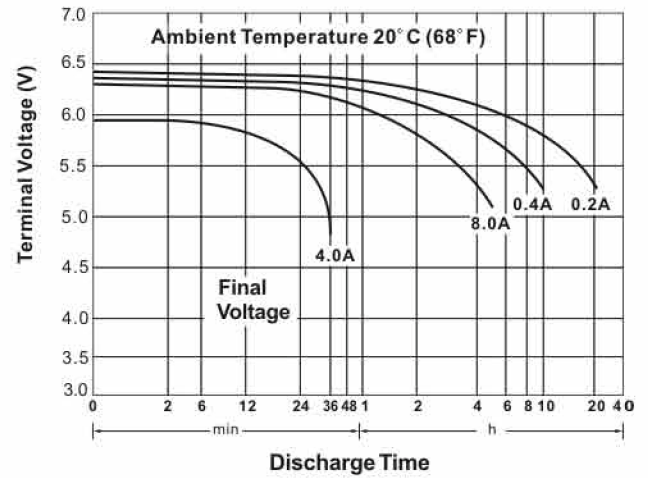


RETAIL CARTON

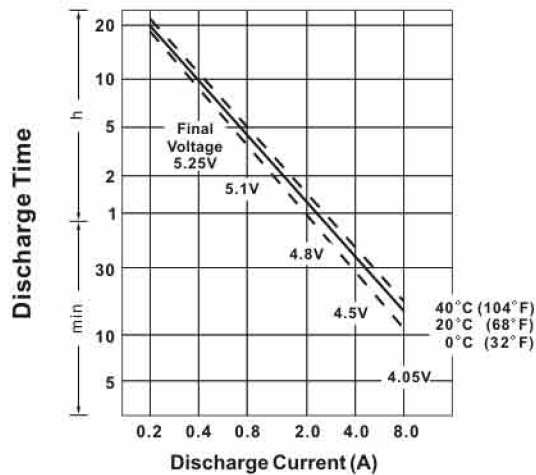
## Shelf life & Storage



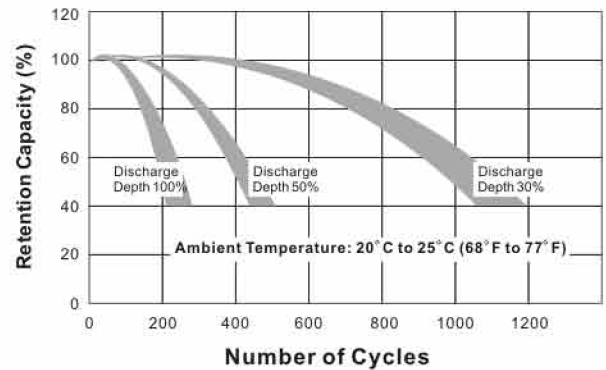
## Discharge Characteristics



## Discharge Time vs. Discharge Current



## Life Characteristics in Cyclic Use



## Charging

**Cycle Applications:** limit initial current to 1.2A. Charge until battery voltage (under charge) reaches 7.4 to 7.5 volts at 68°F(20°C). Hold at 7.4 to 7.5 volts until current drops to under 72mA. 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.

## Chargers

MotoBatt offers a wide range of chargers suitable for batteries up to 750mA(6V). Please refer to the charger selection guide. Please contact our technical department for advice if you have difficulty in locating suitable models or contact us at [www.motobatt.com](http://www.motobatt.com)

## Can be used to replace

6N42A	6N42A3	6N42A4	6N42A5
6N42A6	6N42A8	6N4C1B	

## Further Information

Please refer to our website [www.motobatt.com](http://www.motobatt.com) to locate a distributor in your area.