

# MOTOBATT



## QuadFlex™ Battery



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### MBTX30UHD



### Features

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

### Performance Specifications

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

Nominal Capacity 25°C(77°F)

20-hr. (1.65A to 10.50 volts) ----- 35.0AH

10-hr. (3.3A to 10.50 volts) ----- 33.0AH

5-hr. (6.8A to 10.20 volts) ----- 27.1AH

1C. (33A to 9.60 volts) ----- 23.1AH

3C. (99A to 9.60 volts) ----- 12.87AH

Approximate Weight ----- 22.95lbs. (10.4kg)

Energy Density ( 20-hr rate ) -----1.77W-h / in<sup>3</sup> ( 108.2W-h/1 )

Specific Energy ( 20-hr rate ) -----18.6W-h / lb ( 41.0W-h/kg )

Internal Resistance ( approx ) ----- 12 milliohms

CCA(-0 4°F/-18°C, 7.2V, 30S) ----- 450 amperes

CA(68°F/20°C, 7.2V, 30S) ----- 517.5 amperes

Shelf Life (% of normal capacity at 68°F/20°C).....SOC% OCV

1 months ----- 97% 12.78V

3 months ----- 91% 12.70V

6 months ----- 83% 12.5V

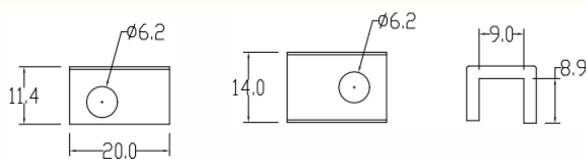
Operating Temperature Range

Discharge ----- -4°F(-20°C) to 122°F(50°C)

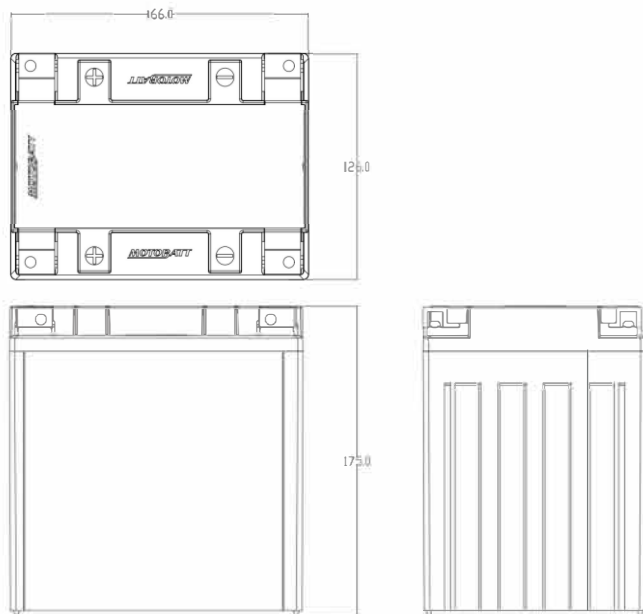
Charge ----- -40°F(-40°C) to 140°F(60°C)

Case ----- ABS

### Terminal Dimensions (mm)



### Physical Dimensions (in./mm)



Length:6.54in(166mm) Width:4.96in(126mm)  
Height:6.89in(175mm) Total Height:7.56in(192mm)

Tolerances are ±0.04 inches (±1mm) and ±0.08 inches (±2mm) for height.



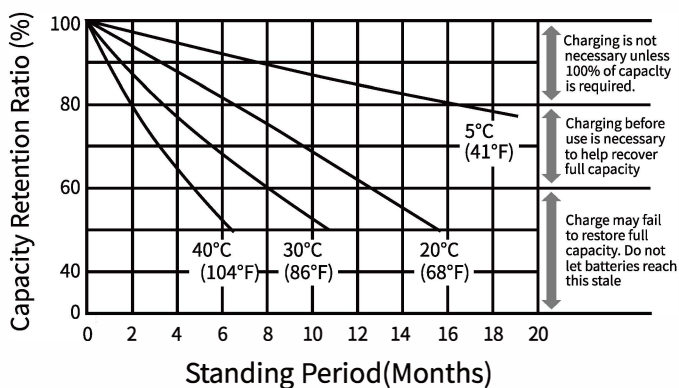
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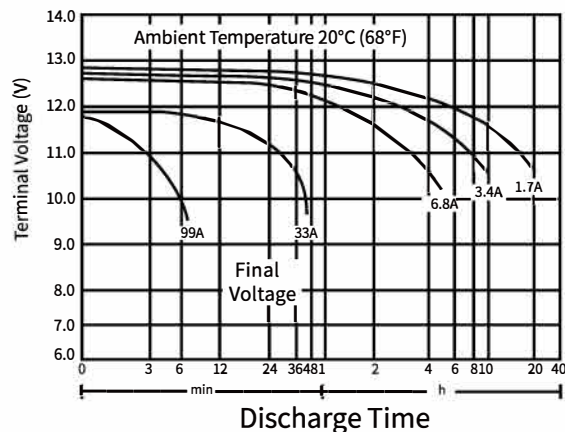


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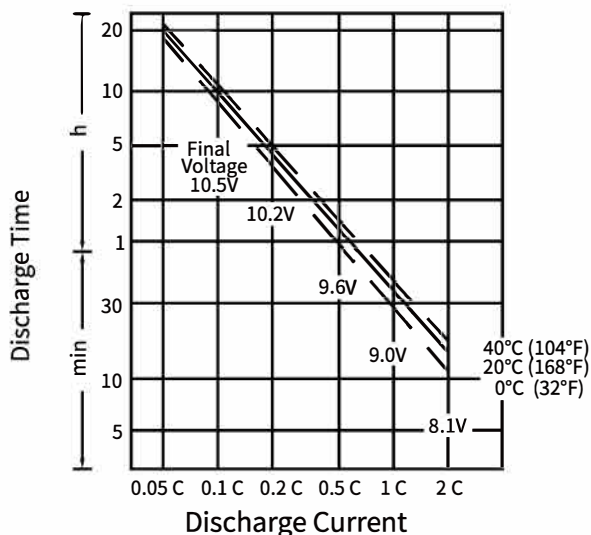
### Shelf life & Storage



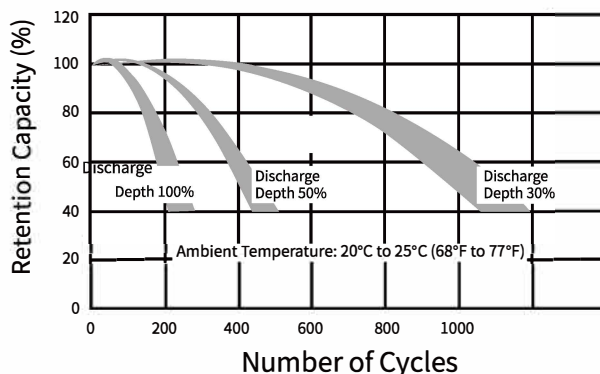
### Discharge Characteristics



### Discharge Time vs. Discharge Current



### Life Characteristics in Cyclic Use



## Charging

**Cycle Applications:** Limit initial current to 0.2C. 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 640 mA. 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 2A. 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

Y60N24A	Y60N24ALB	Y60N24LA	Y60N24LA2
12N24 3	12N24 3A	12N24 4	12N24 4A
YIX30	YIX30L	YIX30L-PW	YIX30L-BS
YIX30L-BS-PW	YB30LB	YB30CLB	Y60N30LA
Y60N30LB	GYZ32HL	52515	53030

## Further information

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