



## 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.	(1.05A to 10.50 volts)	-----	21.6 AH
10-hr.	(2.1A to 10.50 volts)	-----	21.0 AH
5-hr.	(4.2A to 10.20 volts)	-----	17.9 AH
1C.	(21.0A to 9.6 volts)	-----	46Min (16.1 AH)
8C.	(168A to 6.00 volts)	-----	3Min (8.4 AH)

**Approximate Weight** ----- 14.77 lbs. ( 6.70kg)

**Energy Density** (20-hr. rate) ----- 1.80W-h/in<sup>3</sup> (109.8 W-h/l)

**Specific Energy** (20-hr. rate) ----- 17.55W-h/lb (38.7 W-h/kg)

**Internal Resistance** (approx) ----- 14 milliohms

**CCA** (-0.4°F/-18°C, 7.2V, 30S)----- 310 amperes

**CA** (68°F/20°C, 7.2V, 30S)----- 420 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 MBTX20U Battery,  
Fit spacers (1 bottom, 1 side), 4 stainless steel terminal screws,  
2 pairs of brass terminals, 4mm Allen Wrench, Install / user manual.

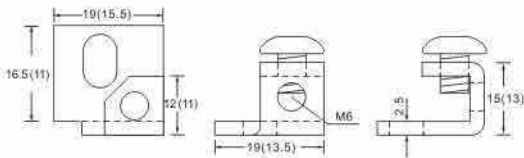


RETAIL CARTON



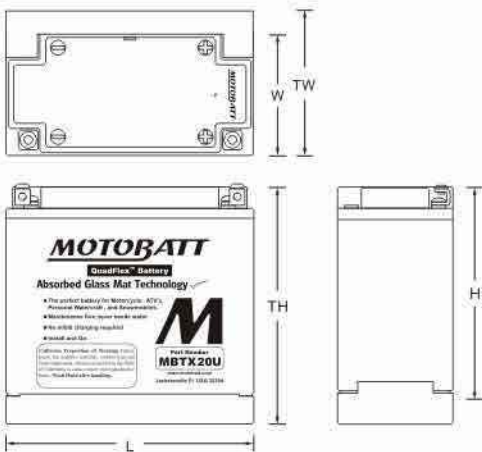
\*C\* TERMINAL    TERMINAL COVER    SCREW    WRENCH

## Brass Terminals (mm)



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

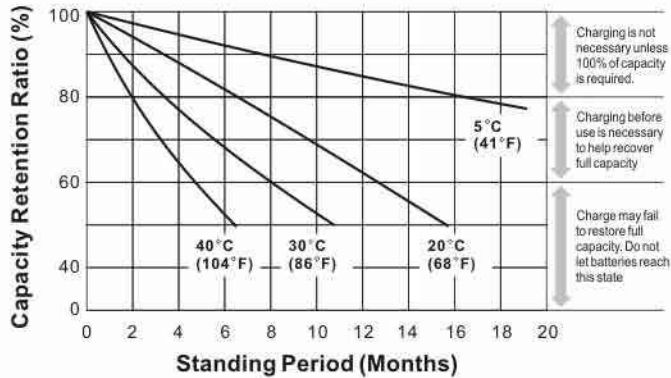
## Physical Dimensions: (in./mm)



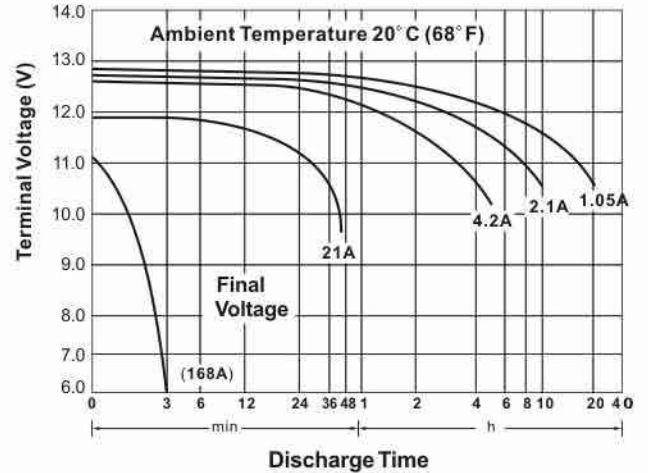
L : 6.89(175)    W : 3.43(87) / TW : 3.94(100)  
H : 6.10(155) / TH : 6.89(175)

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

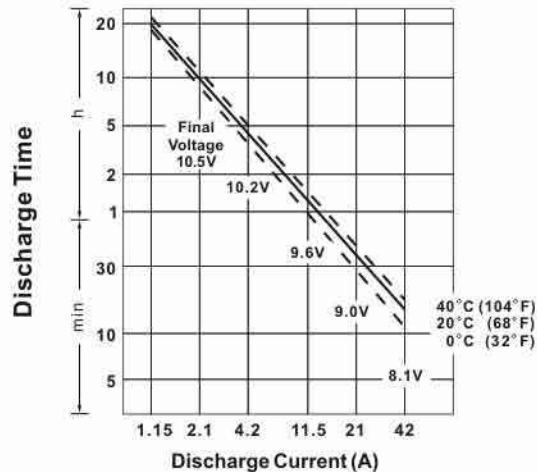
## Shelf life & Storage



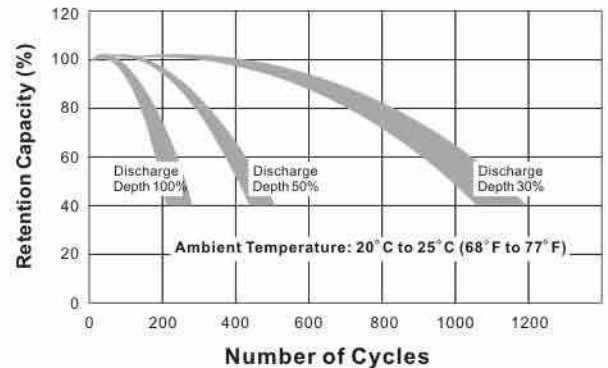
## Discharge Characteristics



## Discharge Time vs. Discharge Current



## Life Characteristics in Cyclic Use



## Charging

**Cycle Applications:** limit initial current to 6.3A. 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 420mA. 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

12N16-3A	12N16-3B	12N16-4A	12N16-4B
YTX20BS	YTX20HBS	YTX20LBS	YTX20HLBS
YTX20HLBSPW	YB16A	YB16A2	YB16B
YB16B2	YB16HLACX	SYB16LB	YB16LA
YB16LA2	YB16LB	YB16LB2	YB16CB
YB16CLB	YB16BCX	GT16LBS	GT16BS
CTX19LBS	CTX19BS	GYZ20L	GYZ20HL