

MOTOBATT

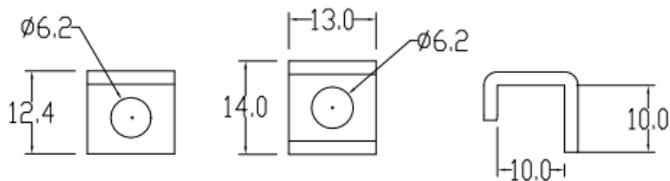
QuadFlex Battery



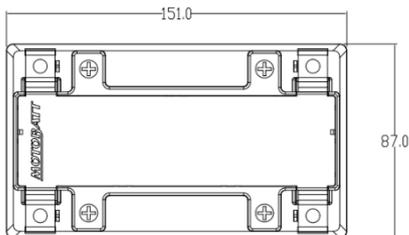
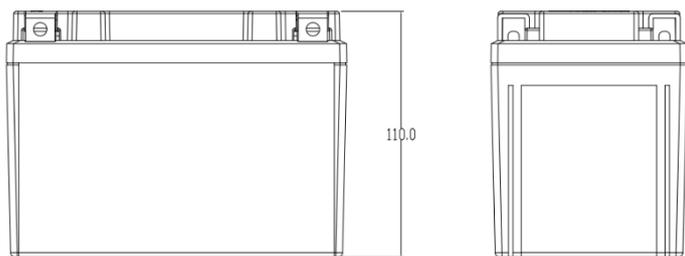
MBTZ14S



Terminal Dimensions (mm)



Physical Dimensions (in./mm)



Length: 5.94in(151mm) Width: 3.43in(87mm)
Height: 4.33in(110mm)

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

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. (0.58A to 10.50 volts) ----- 12.2AH

10-hr. (1.15A to 10.50 volts) ----- 11.5AH

5-hr. (2.30A to 10.20 volts) ----- 9.43AH

1C. (11.5A to 9.60 volts) -----8.05AH

3C. (34.5A to 9.60 volts) -----4.49AH

Approximate Weight ----- 7.81lbs. (3.54kg)

Energy Density (20-hr rate) -----1.62W-h / in3 (98.7W-h/1)

Specific Energy (20-hr rate) -----17.6W-h / lb (38.8W-h/kg)

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

CCA(-0 4°F/-18°C,7.2V,30S) -----170 amperes

CA(32°F/0°C,7.2V,30S) -----233 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



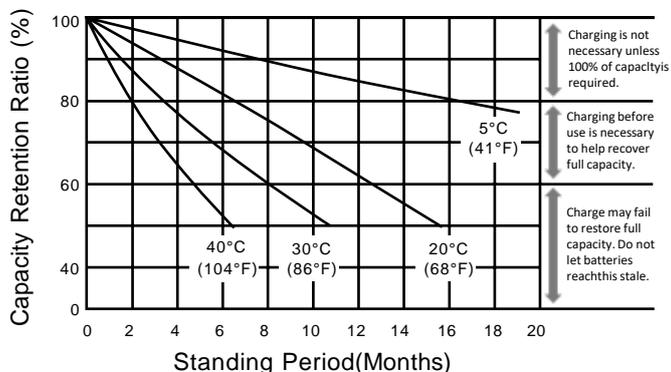
SCREW

MOTOBATT

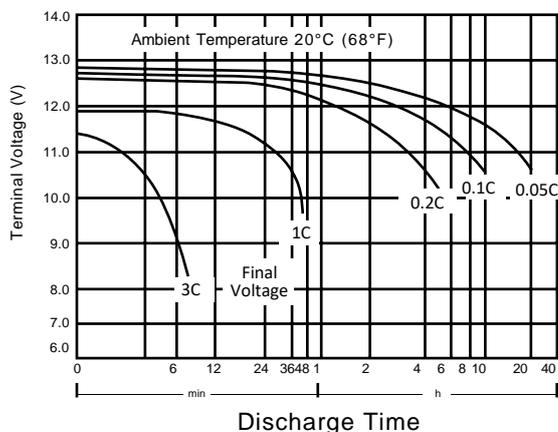
QuadFlex Battery



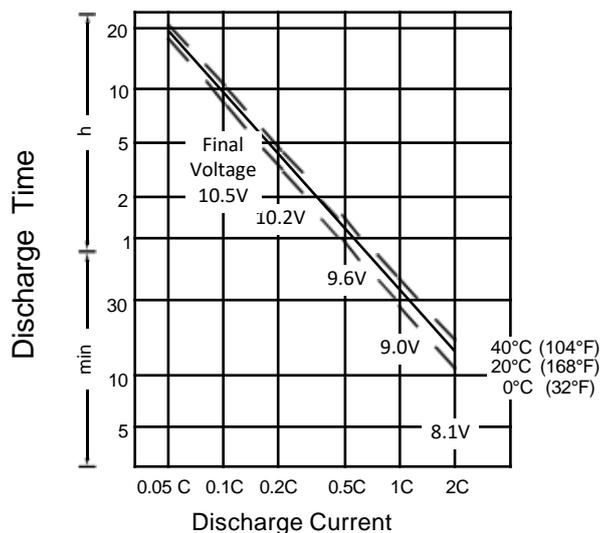
Shelf life & Storage



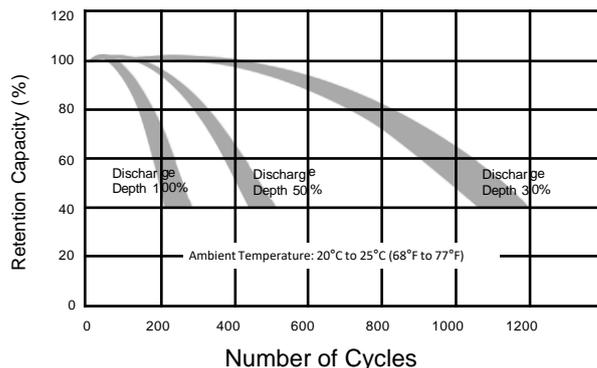
Discharge Characteristics



Discharge Time vs. Discharge Current



Life Characteristics in Cyclic Use



Charging

Cycle Applications: Limit initial current to 0.2C. Charge until battery voltage (undercharge) 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 50 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

Can be used to replace

YTZ12S	YTZ14S		

Further information

Please refer to our website www.motobatt.com to locate a distributor in your area.