MOTOBATT

QuadFlex™ Battery

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MB3U





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 (6 cells)

Nominal Capacity

20-hr. (0.19A to 10.50 volts)---------- 4.0AH
10-hr. (0.38A to 10.50 volts)---------- 3.8 AH
5-hr. (7.6A to 10.20 volts)---------- 3.23 AH
1C. (3.8A to 9.6 volts)---------- 38 Min (2.40AH)
8C. (30.4A to 6.00 volts)---------- 3Min (1.52AH)

Approximate Weight ---------- 2.95 lbs. (1.34kg)

Energy Density (20-hr. rate) ---------- 1.31W-h/in^3 (79.5 W-h/l)

Specific Energy (20-hr. rate) ---------- 16.27W-h/lb (35.8 W-h/kg)

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

CCA (-0.4°F/-18°C,7.2V,30S)---------- 50 amperes

CA (68°F/20°C,7.2V,30S)---------- 90 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

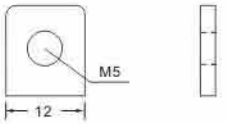
Operating Temperature Range

Charge ---------- -4°F(-20°C) to 122°F(50°C)
Discharge ---------- -40°F (-40°C) to 140°F(60°C)

Case ---------- ABS

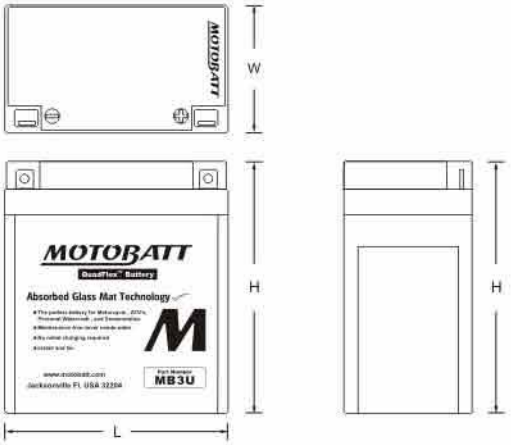
Carton Contents ----------1-MotoBatt MB3U Battery, 2 stainless steel terminal screws, 3mm Allen Wrench, Install / user manual.

Brass Terminals (mm)



Terminal Screws: Stainless, M5 Thread
Fastener: 3mm Allen Hex

Physical Dimensions: (in./mm)



L:3.86(98) W:2.20(56) H:4.33(110)

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



RETAIL CARTON

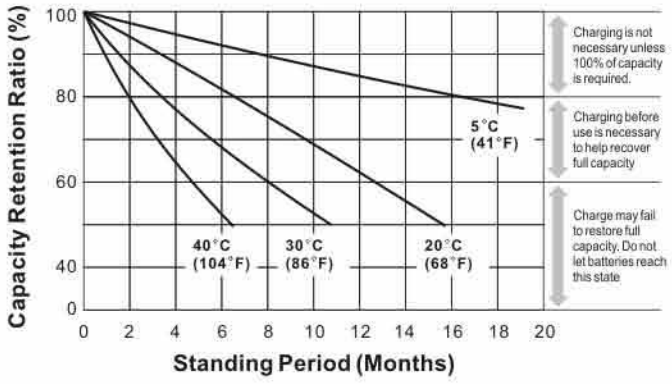


SCREW

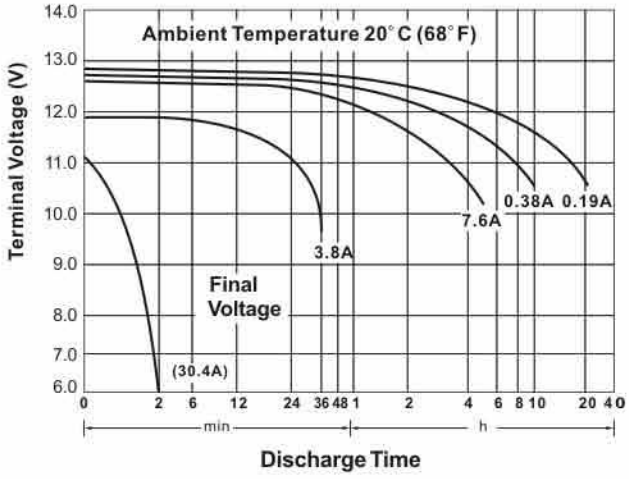


WRENCH

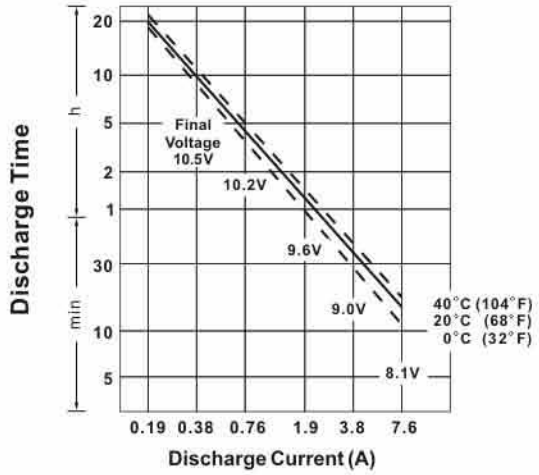
Shelf life & Storage



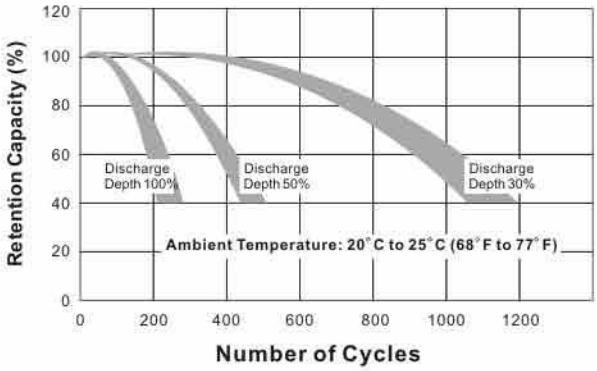
Discharge Characteristics



Discharge Time vs. Discharge Current



Life Characteristics in Cyclic Use



Charging

Cycle Applications: limit initial current to 1.14A. Charge until battery votage (under charge) reaches 14.8 to 15.0 volts at 68°F(20°C). Hold at 14.8 to15.0 volts until current drops to under 76mA. 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

YB3L-A	YB3L-B		

Chargers

MotoBatt offers a wide range of chargers suitable for batteries up to 750mA. 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

Further Information

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