

# ENVIROMUX-BATTERY1



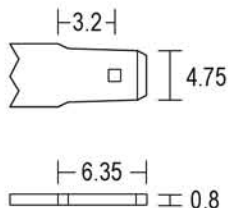
## Features

- Absorbent Glass Mat (AGM) technology for superior performance
- Valve regulated, spill proof construction allows safe operation in any position
- Power/volume ratio yielding unrivaled energy density
- Rugged impact resistant ABS case and cover (UL94-HB)
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L. recognized

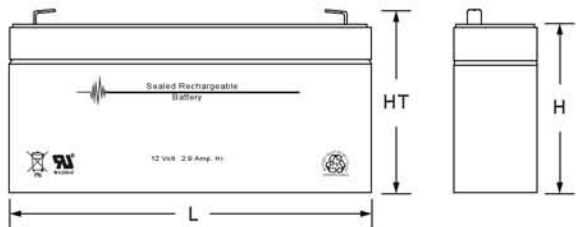
## Terminals

(mm)

- F1 - Quick disconnect tabs, 0.187" x 0.032" - Mate with AMP. INC. FASTON "187" series



## Physical Dimensions: in (mm)



L: 7.00 (178) W: 1.38 (35) H: 2.36 (60) HT: 2.60 (66)

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

## Performance Specifications

**Nominal Voltage** ..... 12 volts (6 cells)

### Nominal Capacity

20-hr. (145mA to 10.50 volts) .....	2.90 AH
10-hr. (270mA to 10.50 volts) .....	2.70 AH
5-hr. (490mA to 10.20 volts) .....	2.45 AH
1-hr. (1.8A to 9.00 volts) .....	1.80 AH
15-min. (5.68A to 9.00 volts) .....	1.42 AH

**Approximate Weight** ..... 2.30 lbs. (1.04 kg)

**Energy Density** (20-hr. rate) ..... 1.53 W-h/in<sup>3</sup> (93.15 W-h/l)

**Specific Energy** (20-hr. rate) ..... 15.13 W-h/lb (33.36 W-h/kg)

**Internal Resistance** (approx.) ..... 25 milliohms

**Max Discharge Current** (7 Min.) ..... 8.7 amperes

**Max Short-Duration Discharge Current** (10 Sec.)..... 29.0 amperes

### Shelf Life (% of nominal capacity at 68°F (20°C))

1 Month .....	97%
3 Months.....	91%
6 Months .....	83%

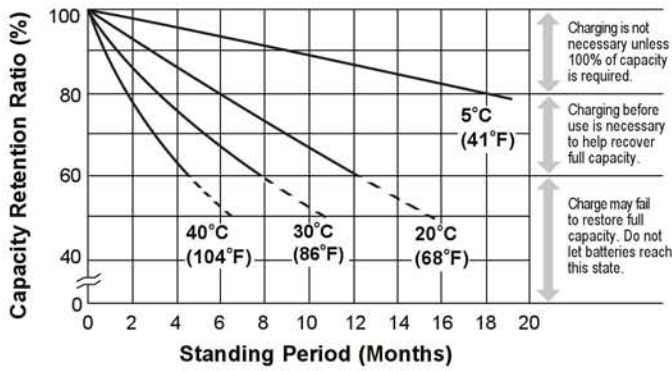
### Operating Temperature Range

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

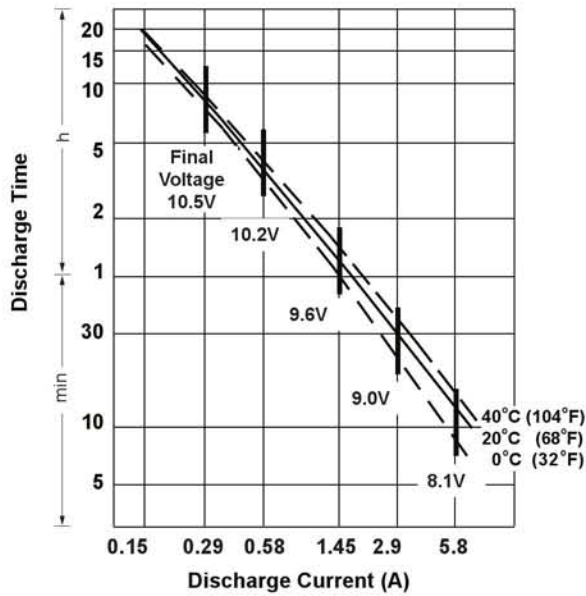
**Case** ..... ABS Plastic

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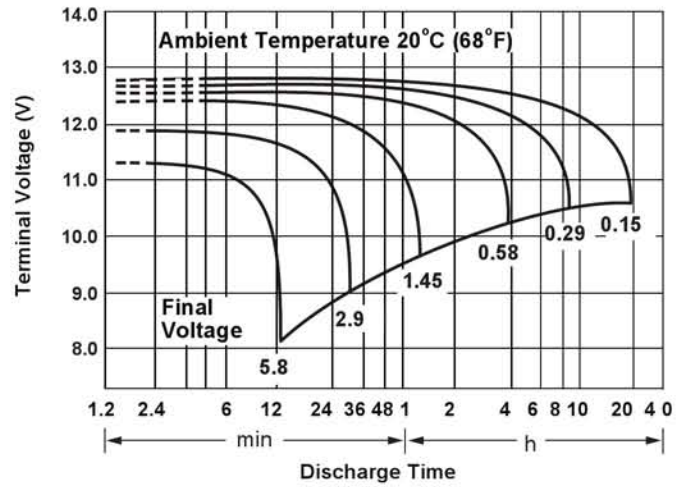
### Shelf Life & Storage



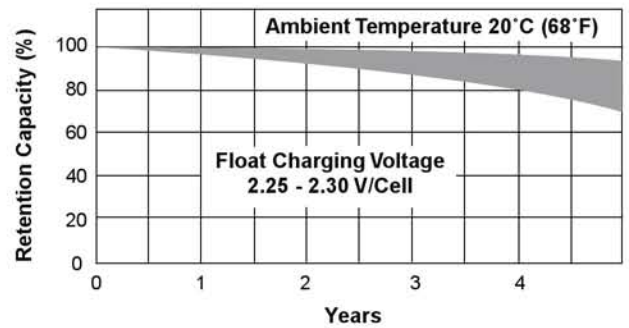
### Discharge Time vs. Discharge Current



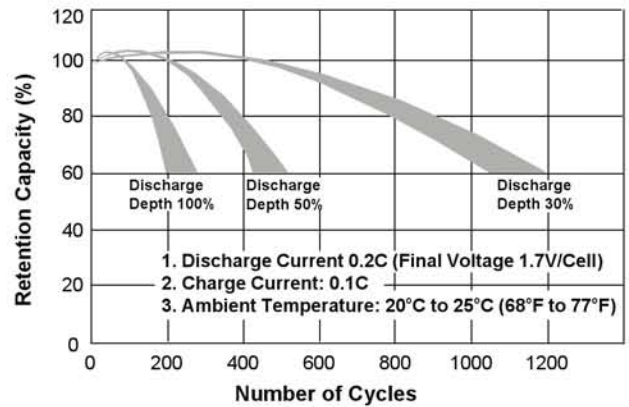
### Discharge Characteristics



### Life Characteristics in Stand-By Use



### Life Characteristics in Cyclic Use



## Charging

**Cycle Applications:** Limit initial current to 870mA. Charge until battery voltage (under charge) reaches 14.4 to 14.7 volts at 68°F (20°C). Hold at 14.4 to 14.7 volts until current drops to under 29mA. Battery is fully charged under these conditions, and charger should be disconnected or switched to "float" voltage.

**"Float" or "Stand-By" Service:** Hold battery across constant voltage source of 13.5 to 13.8 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

**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.