RESERVE POWER

Eternity TECHNOLOGIES

# ETB Range

## VRLA Gel Front Terminal Battery

**THINK GREEN THINK ETERNITY**

# VRLA Gel Front Terminal Battery

## With an extensive product range available, Eternity Technologies prides itself on world-class product design, production processes, technical development, cost structure and global location.

Using an innovative Gel-technology and maintenance free design, our valve regulated, lead-acid front terminal batteries are ideal for float and deep cycle applications.

## Features...

Valve regulated lead acid battery technology

Maintenance free

Capacity: 100-200Ah

Deep Cycle Resilient

Central degassing function available

Shelf life of 2 years

Operating temperature range -40°C to 50°C

## Standards:

EUROBAT 2015 classification: >12 years = very long life

Design compliant with IEC 60896-21 / 22

Underwriters Laboratories (UL) recognised component

Manufactured in Eternity Technologies production facility certified to ISO 9001, ISO 14001 & ISO 45001

Non-spillable battery approved for land, sea and air transportation in accordance with ADR / RID, IMDG & IATA

## Applications:

UPS Systems

Utility

Telecommunications

Emergency Lighting

Railway

**For I&O&M please visit www.eternitytechnologies.com**

# Technology

### Positive & negative plate

Advanced flat plate technology using lead calcium tin alloy which ensures low self discharge rates and low float currents

### Terminal

Specifically designed leak proof terminals to allow for different connector fixing positions.

### Pressure release valve

The valve is designed to open at a specific pressure to ensure that hydrogen gas can be released safely. Central degassing function available

### Container & Lid

Manufactured from Acrylonitrile-Butadiene-Styrene (ABS) which is durable and offers good resistance to heat and chemicals. UL94-V0 flame retardant option also available

### Electrolyte

Silica-based-gel-form electrolyte that has no water loss and therefore maintenance free

### Separator

High-porosity and corrosion-resistant ensures maximum capacity for the lifetime of the cell

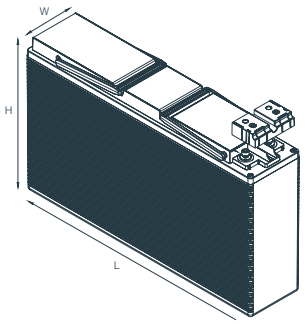
# Specifications...

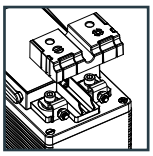
| Type | Voltage | Capacity C10 @25°C | Length (mm) | Width (mm) | Height Container (mm) | Weight (kg) | Female Terminal | Front Terminal Adapter | Short Circuit Current (A) | Internal Resistance (mohm) |
|---|---|---|---|---|---|---|---|---|---|---|
| ETB100FT | 12 | 100 | 396 | 110 | 288 | 35 | M8 | M8 | 1474 | 8.20 |
| ETB155FT | 12 | 155 | 560 | 125 | 288 | 52 | M8 | M8 | 2285 | 5.50 |
| ETB170FT | 12 | 170 | 560 | 125 | 328 | 56.5 | M8 | M8 | 2506 | 4.85 |
| ETB190FT | 12 | 190 | 560 | 125 | 328 | 64.2 | M8 | M8 | 2800 | 4.30 |
| ETB200FT | 12 | 200 | 560 | 125 | 328 | 66.8 | M8 | M8 | 2948 | 4.10 |

**± 5% weight tolerance**

For standard ordering please use part number above.
Please add “A” after part number for product with front terminal adapters e.g. ETB200FTA
Please add “V0” after part number for UL-94 V0 rated flame-retardant plastic material, e.g. ETB200FTV0
Dependant on options required please add the relevant letter after the part number, e.g. ETB200FTV0A

## Outline Drawings

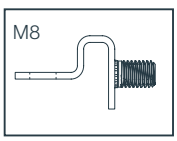


**Front Terminal Adapters**

## Terminal Option

**Torque: 8Nm**




**FT Adapter**

# A global leader in the industrial battery market providing world-class products for Motive Power and Reserve Power applications.

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