# Product Specification

# FXH155-12S

Product NO. 313123

## *Yuasa FXH Series VRLA Battery, 10 Years Design Life*

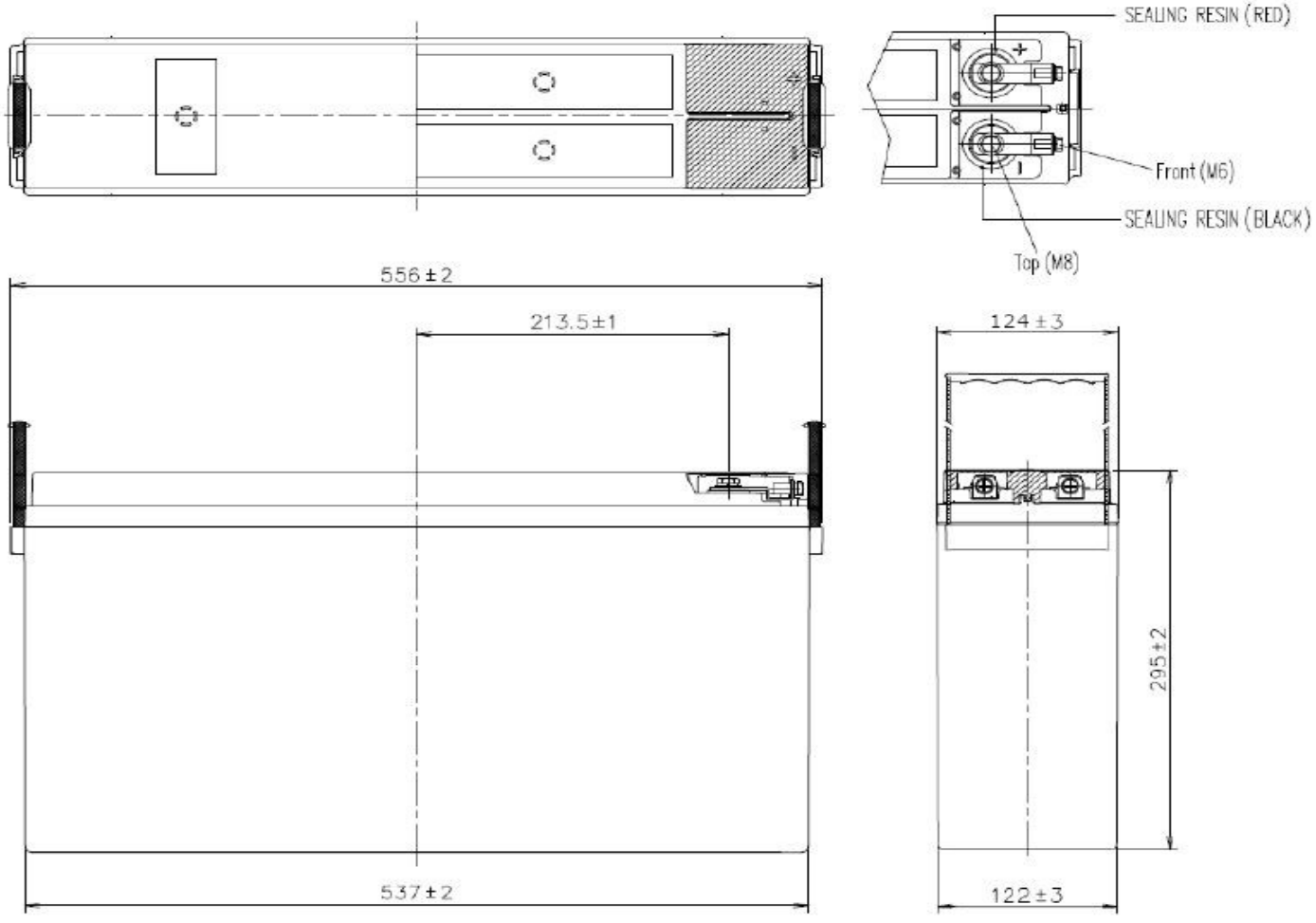
The Yuasa FXH series is designed to provide the highest possible energy density, while offering a 10-year design life product. Incorporating valve regulated technology, Yuasa's FXH is ideally suited for communication racks, with the front terminal connection providing quick and safe installation and maintenance.

- Front terminal construction
- Long service life: 10 years, @ 25°C
- Flame retardant battery lid and container (UL94 V-0)

* Contact Century Yuasa for information specific to your application

| General Performance | | |
|---|---|---|
| Battery | FXH155-12S | |
| Application | Floating | |
| Design Life | 10 Years | |
| Nominal Capacity | 155Ah @ 10Hr (to 1.80Vpc) | |
| Actual Capacity at 25°C | Ah @ C1 to 1.80Vpc | 104Ah |
| | Ah @ C3 to 1.80Vpc | 126.9Ah |
| | Ah @ C10 to 1.80Vpc | 155Ah |
| | Wh @ C1 to 1.80Vpc | 1223Wh |
| | Wh @ C3 to 1.80Vpc | 1521Wh |
| | Wh @ C10 to 1.80Vpc | 1850Wh |

| Plates | |
|---|---|
| **Positive Plates:** | |
| Number/cell | 7 |
| Type | Flat Pasted |
| Material of grid | Lead-Calcium-Tin Alloy |
| Thickness | 3.0 mm |
| Negative Plates: | |
| Number/cell | 8 |
| Type | Flat Pasted |
| Material of grid | Lead-Calcium-Tin Alloy |
| Thickness | 1.78 mm |






Mkt No.YU309-1807

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## Physical Properties

| | |
|---|---|
| **Separators** | |
| Type | Glass Mat |
| Is glass fibre included? | Yes |
| Thickness | 0.9 mm |
| **Container & Cover Materials** | |
| Lid Material, Colour | Acrylonitrile Butadiene Styrene ABS/Grey |
| Container Material, Colour | Acrylonitrile Butadiene Styrene ABS/Grey |
| Flame Retardant | Yes - UL94VO |
| Safety Vent Operational Pressure | 20kPa |
| Mounting Orientation | Vertical |
| **Dimensions** | |
| Width | 124 mm ± 3 |
| Depth | 556 mm ± 2 |
| Height | 295 mm ± 2 |
| Overall Height | 295 mm ± 2 |
| **Battery Weight (kg)** | |
| Total Weight (wet) | 51 kg |
| **Terminal** | |
| Terminal Type | M6 Bolt |
| Terminal Torque | 4.9 Nm |

## Electrolyte

| | |
|---|---|
| Full charge density at 25°C | 1.335 |
| Density Range | 1.330 - 1.340 |
| Gelled/Absorbed | Absorbed |

## Electrical Properties

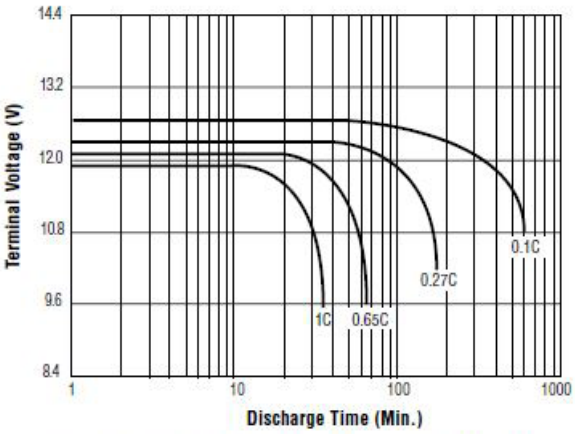
| | | | |
|---|---|---|---|
| Self Discharge Rate @ 25°C | <3% per month | | |
| Normal Charge (Amperes) | 15.5A | | |
| Internal Resistance (mOHMS) | 2.7 m Ω | | |
| Volts End of Charge | 2.275 Vpc | | |
| Max. sustained current without damage (discharging) | 930A (5 sec) | | |
| | 20°C | 25°C | 30°C |
| Float Voltage (Vpc) | 2.290 Vpc | 2.275 Vpc | 2.260 Vpc |
| Float Current (mA) | <155mA | <155mA | <155mA |
| Initial Short circuit current (A) | 4860A | | |
| Efficiency at 10 hour rate (%) | | | |
| Ampere-Hour | >90% | | |
| Watt-Hour | >78% | | |

## Compliant Standard

| | |
|---|---|
| Manufacturing Standard | JIS C8704-2: 1999 |

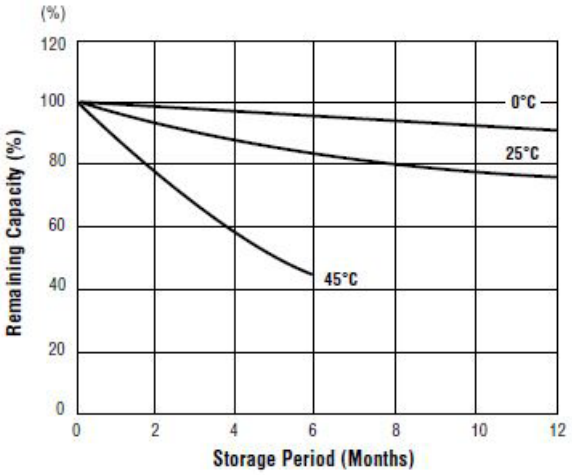
## Discharge Characteristics

Discharge Characteristic Curves at 25°C

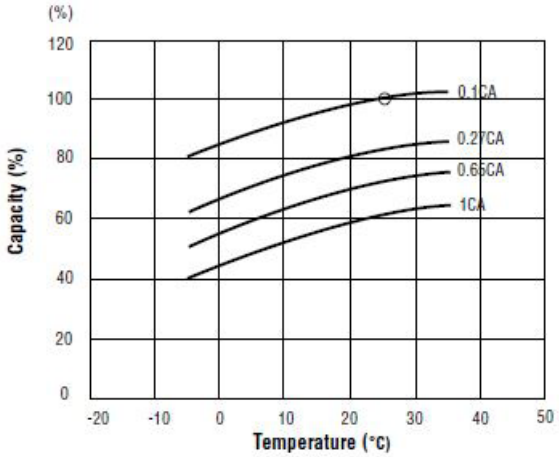



Please consult with us in case of use at discharge current of 1C or larger

## Self Discharge Characteristics




## Temperature and Discharge Capacity




An affiliated business of the GS Yuasa Corporation, Century Yuasa has an 80-year history of supplying a range of stored energy solutions to the Australian market. An established network of sales and distributions offices throughout Australia and New Zealand has seen the business gain the trust and respect from its customers by focusing on quality products and exceptional customer service. CenturyYuasa is Australia's enduring manufacturer of stored energy products.