# Yuasa Technical Data Sheet

**Yuasa FXH155-12IFR Industrial VRLA Battery**

## Specifications

| | |
|---|---|
| Nominal voltage (V) | 12 |
| 20-hr rate Capacity to 10.5V at 20°C (Ah) | 165.6 |
| 10-hr rate Capacity to 10.8V at 20°C (Ah) | 155 |

## Dimensions

| | |
|---|---|
| Length (mm) | 415 |
| Width (mm) | 174 |
| Height (mm) | 258 |
| Mass (kg) | 50.5 |

## Terminal Type

| | |
|---|---|
| Threaded terminal - (M=Male or F=Female) | M6 (F) |
| Torque (Nm) | 3.9-5.4 |

## Operating Temperature Range

| | |
|---|---|
| Storage (in fully charged condition) | -15°C to +45°C |
| Charge | -15°C to +45°C |
| Discharge | -15°C to +45°C |

## Storage

| | |
|---|---|
| Capacity loss per month at 20°C (% approx.) | 3 |

## Case Material

| | |
|---|---|
| Standard | ABS (UL94:V0) |

## Charge Voltage

| | |
|---|---|
| Float charge voltage at 20°C (V)/Block | 13.65 (±1%) |
| Float charge voltage at 20°C (V)/Cell | 2.275 (±1%) |
| Float Chg voltage tmp correction factor from std 20°C (mV) | -3 |
| Cyclic (or Boost) charge Voltage at 20°C (V)/Block | 14.52 (±3%) |
| Cyclic (or Boost) charge Voltage at 20°C (V)/Cell | 2.42 (±3%) |
| Cyclic Chg voltage tmp correction factor from std 20°C (mV) | -4 |

## Charge Current

| | |
|---|---|
| Float charge current limit (A) | 16.56 |
| Cyclic (or Boost) charge current limit (A) | 16.56 |

## Maximum Discharge Current

| | |
|---|---|
| 1 second (A) | 930 |
| 1 minute (A) | 412 |

## Impedance

| | |
|---|---|
| Measured at 1 kHz (mΩ) | 2.8 |

## Design Life & Approvals

| | |
|---|---|
| EUROBAT Classification: Very Long Life | 12+ |
| Yuasa design life at 20°C (yrs) | 12 |



# Safety

### Installation
Can be installed and operated in any orientation except permanently inverted.
### Handles
Batteries must not be suspended by their handles (where fitted).
### Vent valves
Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal.
### Gas release
VRLA batteries release hydrogen gas which can form explosive mixtures in the air. Do not place inside a sealed container.
### Recycling
YUASA's VRLA batteries must be recycled at the end of life in accordance with local and national laws and regulations.

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