# Yuasa Technical Data Sheet

## Yuasa REC14-12 Industrial VRLA Battery

## Specifications

<b>Specifications</b> Nominal voltage (V) 10-hr rate Capacity to 1.8V/Cell at 20°C (Ah) 20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	12 11.6 14
Dimensions Length (mm) Width (mm) Height (mm) Height over terminals (mm) Mass (kg)	151 (±1) 98 (±1) 94 (±2) 97.5 (±2) 4.2
<b>Terminal Type</b> FASTON - Quickfit / release (JST where stated)	6.35
<b>Operating Temperature Range</b> Storage (in fully charged condition) Charge Discharge	-15°C to +45°C -15°C to +45°C -15°C to +45°C
<b>Storage</b> Capacity loss per month at 20°C (% approx.)	3
<b>Case Material</b> Standard FR version available	ABS (UL94:HB) UL94:V0
<b>Charge Voltage</b> Float charge voltage at 20°C (V)/Block Float charge voltage at 20°C (V)/Cell Float Chg voltage tmp correction factor from std 20°C (mV) Cyclic (or Boost) charge Voltage at 20°C (V)/Block	13.65 (±1%) 2.275 (±1%) -3 14.52 (±3%)
Cyclic (or Boost) charge Voltage at 20°C (V)/Cell Cyclic Chg voltage tmp correction factor from std 20°C (mV)	2.42 (±3%)
<b>Charge Current</b> Float charge current limit (A) Cyclic (or Boost) charge current limit (A)	3.25 3.25
<b>Maximum Discharge Current</b> 1 second (A) 1 minute (A)	195 70
<b>Cyclic Life Data</b> 100% DOD down to 80% capacity 75% DOD down to 80% capacity 50% DOD down to 80% capacity 25% DOD down to 80% capacity	300 500 600 1400
<b>Impedance</b> Measured at 1 kHz (mΩ)	10.1





## Layout

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## **3rd Party Certifications**

ISO9001 - Quality Management Systems UNDERWRITERS LABORATORIES Inc.



# Safety

#### Installation

Can be installed and operated in orientations up to 90° from the upright position.

## 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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