## Yuasa Technical Data Sheet

## Yuasa RE12-12 Industrial VRLA Battery

<b>Specifications</b> Nominal voltage (V) 20-hr rate Capacity to 10.5V at 20°C (Ah)	12 12
10-hr rate Capacity to 10.8V at 20°C (Ah)	10.56
Dimensions Length (mm) Width (mm) Height (mm) Height over terminals (mm) Mass (kg)	151 (±1) 98 (±1) 94 (±1) 98 (±2) 4.15 (4.4)
<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
Charge Voltage 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 Cyclic (or Boost) charge Voltage at 20°C (V)/Cell Cyclic Chg voltage tmp correction factor from std	13.65 (±1%) 2.275 (±1%) -3 14.5 (±3%) 2.42 (±3%) -4
20°C (mV)	
<b>Charge Current</b> Float charge current limit (A) Cyclic (or Boost) charge current limit (A)	No limit 3
<b>Maximum Discharge Current</b> 1 second (A) 1 minute (A)	180 24
<b>Impedance</b> Measured at 1 kHz (mΩ)	15
<b>Design Life &amp; Approvals</b> EUROBAT Classification: General Purpose Yuasa design life at 20°C (yrs)	6 to 9 up to 10



## Layout

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## **3rd Party Certifications**

ISO9001 - Quality Management Systems UNDERWRITERS LABORATORIES Inc.



# 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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