# Yuasa Technical Data Sheet

# Yuasa REC14-12 Industrial VRLA Battery

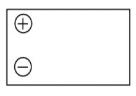
# Specifications

Specifications Nominal voltage (V) 20-hr rate Capacity to 10.5V at 20°C (Ah) 10-hr rate Capacity to 10.8V at 20°C (Ah)	12 13 11.9
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 +50°C -0°C to +40°C -15°C to +40°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)	13.65 (±1%) 2.275 (±1%) -3
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 20°C (mV)	14.52 (±3%) 2.42 (±3%) -4
<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



## **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.

