## Yuasa Technical Data Sheet

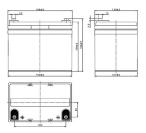
### Yuasa REC36-12I Industrial VRLA Battery

<b>Specifications</b> 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 36 32
<b>Dimensions</b> Length (mm) Width (mm) Height (mm) Height over terminals (mm) Mass (kg)	196 (±2) 130 (±2) 158 (±3) 169 (±3) 11.2
<b>Terminal Type</b> Threaded terminal - (M=Male or F=Female) Torque (Nm)	M5 (F) 2-3Nm
<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)	9 9
<b>Maximum Discharge Current</b> 1 second (A) 1 minute (A)	360 140
<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)	8.7





#### 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.



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Data Sheet generated on 04/07/2017 - E&OE

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