# Yuasa Technical Data Sheet

#### Yuasa REC22-12I Industrial VRLA Battery

**Specifications** Nominal voltage (V) 12 20-hr rate Capacity to 10.5V at 20°C (Ah) 22 10-hr rate Capacity to 10.8V at 20°C (Ah) 19.7

**Dimensions** 

Length (mm) 181 (±2) Width (mm) 76.2 (±1) Height (mm) 167 (±2) Mass (kg) 6.2

**Terminal Type** 

Threaded terminal - (M=Male or F=Female) M5 (F) 2-3Nm Torque (Nm)

**Operating Temperature Range** 

Storage (in fully charged condition) -15°C to +50°C -0°C to +40°C Charge -15°C to +40°C Discharge

Storage

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

**Case Material** 

Standard ABS (UL94:HB) FR version available 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 -3

20°C (mV)

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 -4

20°C (mV)

**Charge Current** 

Float charge current limit (A) 5.5 Cyclic (or Boost) charge current limit (A) 5.5

**Maximum Discharge Current** 

330 1 second (A) 1 minute (A) 140

Cyclic Life Data

100% DOD down to 80% capacity 300 75% DOD down to 80% capacity 500 50% DOD down to 80% capacity 600 1400 25% DOD down to 80% capacity

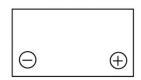
**Impedance** 

Measured at 1 kHz ( $m\Omega$ ) 8.2





#### 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).

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.









