# Yuasa Technical Data Sheet

# Yuasa RE7-12LFR Industrial VRLA Battery

**Specifications** 

Nominal voltage (V) 12 20-hr rate Capacity to 10.5V at 20°C (Ah) 7 10-hr rate Capacity to 10.8V at 20°C (Ah) 6.2

**Dimensions** 

Length (mm) 151 (±1) Width (mm) 65 (±1) Height (mm) 94 (±1) Height over terminals (mm) 97,5 (±1) Mass (kg) 2.75

**Terminal Type** 

FASTON - Quickfit / release (JST where stated) 6.35

**Operating Temperature Range** 

Storage (in fully charged condition) -15°C to +45°C -15°C to +45°C Charge -15°C to +45°C Discharge

Storage

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

**Case Material** 

Standard ABS (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 14.5 (±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) No limit 1.75 Cyclic (or Boost) charge current limit (A)

**Maximum Discharge Current** 

105 1 second (A) 1 minute (A) 42

**Impedance** 

Measured at 1 kHz ( $m\Omega$ ) 35

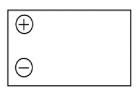
**Design Life & Approvals** 

**EUROBAT Classification: General Purpose** 6 to 9 years Yuasa design life at 20°C (yrs) up to 10 years





## 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.







