# Yuasa Technical Data Sheet

## Yuasa SWL1100 Industrial VRLA Battery

<b>Specifications</b> Nominal voltage (V) 10m rate Constant Power (Typ) to 9.6V at 20°C	12 1202
(W/Block) 10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	200
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah) 20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	39.6 40.6
Dimensions	
Length (mm) Width (mm) Height (mm)	197 (±2) 165 (±1) 170 (±2)
Mass (kg)	14.5
<b>Terminal Type</b> Threaded terminal - (M=Male or F=Female) Torque (Nm)	M5 (F) 2.5
Operating Temperature Range	
Storage (in fully charged condition) Charge Discharge	-20°C to +60°C -15°C to +50°C -20°C to +60°C
Storage	
Capacity loss per month at 20°C (% approx.)	3
Case Material	
Standard FR version available	ABS (UL94:HB) 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	
Float Chg voltage tmp correction factor from std 20°C (mV) Cyclic (or Boost) charge Voltage at 20°C (V)/Block	2.275 (±1%)
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	2.275 (±1%) -3 14.5 (±3%) 2.42 (±3%)
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	2.275 (±1%) -3 14.5 (±3%) 2.42 (±3%)
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Layout



## **3rd Party Certifications**

ISO9001 - Quality Management Systems ISO14001 - Environmental Management Systems ISO45001 OHSAS 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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