## Yuasa Technical Data Sheet

## Yuasa SWL1100FR Industrial VRLA Battery

Specifications Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	1202
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	200.3
20-hr rate Capacity to 10.5V at 20°C (Ah) 10-hr rate Capacity to 10.8V at 20°C (Ah)	40.6 39.6
Dimensions	
Length (mm)	197 (±0.5)
Width (mm)	165 (±0.5)
Height (mm) Mass (kg)	170 (±0.5) 14.5
Terminal Type	
Threaded terminal - (M=Male or F=Female) Torque (Nm)	M5 (F) 2.5
Operating Temperature Range	
Storage (in fully charged condition)	-20°C to +60°C
Charge	-15°C to +50°C
Discharge	-20°C to +60°C
<b>Storage</b> Capacity loss per month at 20°C (% approx.)	3
Case Material	
Standard	ABS (UL94:V0)
Charge Voltage	
	10 65 (1400)
Float charge voltage at 20°C (V)/Block	13.65 (±1%) 2 275 (±1%)
	13.65 (±1%) 2.275 (±1%) -3
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)	2.275 (±1%) -3
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) Cyclic (or Boost) charge Voltage at 20°C (V)/Block	2.275 (±1%) -3 14.5 (±3%)
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Layout



## **3rd Party Certifications**

ISO9001 - Quality Management Systems ISO14001 - Environmental Management Systems EN 18001 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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Data Sheet generated on 09/08/2019 – E&OE

