Yuasa Technical Data Sheet

Yuasa SWL1100 Industrial VRLA Battery

Specifications	
Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C	1202
(W/Block)	
10m rate Constant Power (Typ) to 1.6V/cell at	200.3
20°C (W/Cell)	

20-hr rate Capacity to 10.5V at 20°C (Ah) 40.6 10-hr rate Capacity to 10.8V at 20°C (Ah) 39.6

 Dimensions

 Length (mm)
 197 (±0.5)

 Width (mm)
 165 (±0.5)

 Height (mm)
 170 (±0.5)

 Mass (kg)
 14.5

Terminal TypeThreaded terminal - (M=Male or F=Female)
M5 (F)
Torque (Nm)
2.5

Operating Temperature RangeStorage (in fully charged condition)-20°C to +60°CCharge-15°C to +50°CDischarge-20°C to +60°C

StorageCapacity loss per month at 20°C (% approx.) 3

Case MaterialStandardABS (UL94:HB)FR version availableUL94:V0

9.9

Charge Current
Float charge current limit (A)

No limit

Cyclic (or Boost) charge current limit (A)

20°C (mV)

Maximum Discharge Current1 second (A)5001 minute (A)200

Short-Circuit Current & Internal Resistance Internal resistance - according to EN IEC 60896-21 14.4 $(m\Omega)$

Short-Circuit current - according to EN IEC 1005 60896-21 (A)

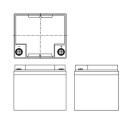
 $\label{eq:mass_equation} \begin{array}{ll} \text{Impedance} \\ \text{Measured at 1 kHz (m}\Omega) \end{array} \hspace{0.5in} 7.5$

Design Life & ApprovalsEUROBAT Classification: Long life10 to 12Yuasa design life at 20°C (yrs)up to 10





Layout



3rd Party Cerfifications

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.







