## Yuasa Technical Data Sheet

#### Yuasa SWL2500E Industrial VRLA Battery

Specifications	12
Nominal voltage (V) 10m rate Constant Power (Typ) to 9.6V at 20°C	12 2940
(W/Block)	2940
10m rate Constant Power (Typ) to 1.6V/cell at	490
20°C (W/Cell)	
20-hr rate Capacity to 10.5V at 20°C (Ah)	93.6
10-hr rate Capacity to 10.8V at 20°C (Ah)	91.4
Dimensions	
Length (mm)	305 (±0.7)
Width (mm)	168 (±0.5)
Height (mm)	225 (±0.7)
Mass (kg)	33
Terminal Type	
Threaded terminal - (M=Male or F=Female)	M6 (F) 4.8
Torque (Nm)	4.0
Operating Temperature Range	20°C to 150°C
Storage (in fully charged condition) Charge	-20°C to +50°C -15°C to +50°C
Discharge	-20°C to +60°C
	20 0 10 00 0
<b>Storage</b> Capacity loss per month at 20°C (% approx.)	3
	5
Case Material Standard	ABS (UL94:HB)
FR version available	UL94:V0
	0294.00
<b>Charge Voltage</b> 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	
Thoat chig voltage thip correction factor from sta	-3
20°C (mV)	-3
20°C (mV) Cyclic (or Boost) charge Voltage at 20°C (V)/Block	14.5 (±3%)
20°C (mV) Cyclic (or Boost) charge Voltage at 20°C (V)/Block Cyclic (or Boost) charge Voltage at 20°C (V)/Cell	14.5 (±3%) 2.42 (±3%)
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	14.5 (±3%) 2.42 (±3%)
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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 20°C (mV) <b>Charge Current</b> Float charge current limit (A)	14.5 (±3%) 2.42 (±3%) -4 No limit
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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 20°C (mV) <b>Charge Current</b> Float charge current limit (A) Cyclic (or Boost) charge current limit (A) <b>Maximum Discharge Current</b> 1 second (A) 1 minute (A) <b>Short-Circuit Current &amp; Internal Resistance</b> Internal resistance - according to EN IEC 60896-2	14.5 (±3%) 2.42 (±3%) -4 No limit 22.5 1000 500
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 20°C (mV) <b>Charge Current</b> Float charge current limit (A) Cyclic (or Boost) charge current limit (A) <b>Maximum Discharge Current</b> 1 second (A) 1 minute (A) <b>Short-Circuit Current &amp; Internal Resistance</b>	14.5 (±3%) 2.42 (±3%) -4 No limit 22.5 1000 500
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# 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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UASA



Layout





#### **3rd Party Certifications**

ISO9001 - Quality Management Systems ISO14001 - Environmental Management Systems EN 18001 OHSAS Management Systems UNDERWRITERS LABORATORIES Inc.



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