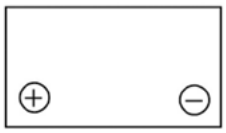
DATASHEET

Yuasa SWL1800 Industrial VRLA Battery

Art. no: SAASWL1800

Specifications	
Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	1974
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	329
20-hr rate Capacity to 10.5V at 20°C (Ah)	57.6
10-hr rate Capacity to 10.8V at 20°C (Ah)	55
Dimensions	
Length (mm)	216 (±0.7)
Width (mm)	168 (±0.5)
Height (mm)	223 (±0.7)
Mass (kg)	23
Terminal Type	
Threaded terminal - (M=Male or F=Female)	M6 (F)
Torque (Nm)	4.8
Operating Temperature Range	
Storage (in fully charged condition)	-20°C to +50°C
Charge	-15°C to +50°C
Discharge	-20°C to +60°C
Storage	
Capacity loss per month at 20°C (% approx.)	3
Case Material	
Standard	ABS (UL94:HB)
FR version available	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 20°C (mV)	-3
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 20°C (mV)	-4
Charge Current	
Float charge current limit (A)	No limit
Cyclic (or Boost) charge current limit (A)	13.75
Maximum Discharge Current	
1 second (A)	800
1 minute (A)	500
Short-Circuit Current & Internal Resistance	
Internal resistance - according to EN IEC 60896-21 (mΩ)	10.09
Short-Circuit current - according to EN IEC 60896-21 (A)	1437
Impedance	
Measured at 1 kHz (mΩ)	6
Design Life & Approvals	
EUROBAT Classification: Long life	10 to 12
Yuasa design life at 20°C (yrs)	up to 10

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.

ABS-LINE | www.abs-line.de | anfrage@industriebatterie.de
In den Wiesen 2 · 49451 Holdorf · Germany