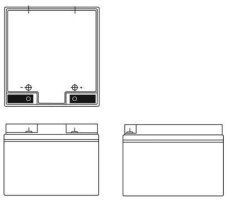
Yuasa Technical Data Sheet

Yuasa SWL+800-12 Industrial VRLA Battery

Specifications	
Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	800
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	133
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	22.9
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	22.9
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	25
Dimensions	
Length (mm)	166 (±2)
Width (mm)	175 (±1)
Height (mm)	125 (±2)
Mass (kg)	9.8
Terminal Type	
Threaded terminal - (M=Male or F=Female)	M5 (F)
Torque (Nm)	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
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)	5.725
Maximum Discharge Current	
1 second (A)	500
1 minute (A)	150
Short-Circuit Current & Internal Resistance	
Short-Circuit current - according to EN IEC 60896-21 (A)	714
Impedance	
Measured at 1 kHz (mΩ)	8.5
Design Life & Approvals	
EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout



3rd Party Certifications

ISO9001 - Quality Management Systems
ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+850-12 Industrial VRLA Battery

Specifications

Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	850
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	142
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	27
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	27
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	28.8

Dimensions

Length (mm)	166 (±2)
Width (mm)	125 (±1)
Height (mm)	175 (±2)
Mass (kg)	10.3

Terminal Type

Threaded terminal - (M=Male or F=Female)	M5 (F)
Torque (Nm)	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

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)	6.125

Maximum Discharge Current

1 second (A)	500
1 minute (A)	150

Short-Circuit Current & Internal Resistance

Short-Circuit current - according to EN IEC 60896-21 (A)	800

Impedance

Measured at 1 kHz (mΩ)	8.5

Design Life & Approvals

EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout

3rd Party Certifications

ISO9001 - Quality Management Systems
ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+1200-12 Industrial VRLA Battery

Specifications

Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	1200
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	200
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	39.6
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	39.6
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	40.6

Dimensions

Length (mm)	197 (±2)
Width (mm)	165 (±1)
Height (mm)	170 (±2)
Mass (kg)	14.5

Terminal Type

Threaded terminal - (M=Male or F=Female)	M5 (F)
Torque (Nm)	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

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)	9.9

Maximum Discharge Current

1 second (A)	500
1 minute (A)	200

Short-Circuit Current & Internal Resistance

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

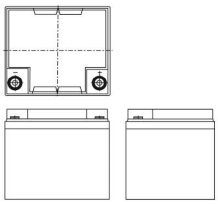
Impedance

Measured at 1 kHz (mΩ)	7.5

Design Life & Approvals

EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout



3rd Party Certifications

ISO9001 - Quality Management Systems
ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+1950-12 Industrial VRLA Battery

Specifications

Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	1950
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	325
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	66
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	66
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	74

Dimensions

Length (mm)	350 (±2)
Width (mm)	166 (±1)
Height (mm)	174 (±2)
Mass (kg)	23.3

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 +60°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)	16.5

Maximum Discharge Current

1 second (A)	800
1 minute (A)	500

Short-Circuit Current & Internal Resistance

Short-Circuit current - according to EN IEC 60896-21 (A)	1529

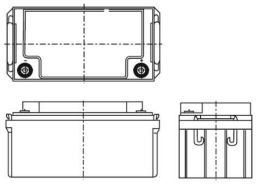
Impedance

Measured at 1 kHz (mΩ)	4.4

Design Life & Approvals

EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout



3rd Party Certifications

ISO9001 - Quality Management Systems
ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

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Cert. No.: FM 10626

bsi. ISO 14001 Environmental Management
Cert. No.: EMS 55229

UL

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+2000-12 Industrial VRLA Battery

Specifications

Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	2000
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	333
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	55
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	55
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	57.6

Dimensions

Length (mm)	216 (±3)
Width (mm)	168 (±2)
Height (mm)	223 (±1)
Mass (kg)	23.2

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 +60°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

Short-Circuit current - according to EN IEC 60896-21 (A)	1437

Impedance

Measured at 1 kHz (mΩ)	6

Design Life & Approvals

EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout

3rd Party Certifications

ISO9001 - Quality Management Systems
ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

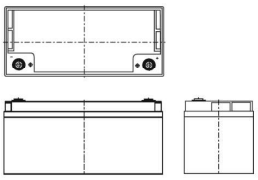
Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+2250-12 Industrial VRLA Battery

Specifications	
Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	2250
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	375
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	76
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	76
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	86.0
Dimensions	
Length (mm)	380 (±2)
Width (mm)	166 (±1)
Height (mm)	177.5 (±2)
Mass (kg)	28
Terminal Type	
Threaded terminal - (M=Male or F=Female)	M8 (F)
Torque (Nm)	6
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)	19
Maximum Discharge Current	
1 second (A)	800
1 minute (A)	500
Short-Circuit Current & Internal Resistance	
Short-Circuit current - according to EN IEC 60896-21 (A)	1442
Impedance	
Measured at 1 kHz (mΩ)	3.6
Design Life & Approvals	
EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout



3rd Party Certifications

ISO9001 - Quality Management Systems
ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

bsi. ISO 9001 Quality Management Cert. No.: FM 10626

bsi. ISO 14001 Environmental Management Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+2450-12 Industrial VRLA Battery

Specifications

Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	2450
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	408
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	78
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	78
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	80.0

Dimensions

Length (mm)	261 (±3)
Width (mm)	168 (±2)
Height (mm)	224.5 (±1)
Mass (kg)	28.3

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)	19.5

Maximum Discharge Current

1 second (A)	800
1 minute (A)	400

Short-Circuit Current & Internal Resistance

Short-Circuit current - according to EN IEC 60896-21 (A)	1857

Impedance

Measured at 1 kHz (mΩ)	5

Design Life & Approvals

EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout

3rd Party Certifications

ISO9001 - Quality Management Systems
ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+2900-12FT Industrial VRLA Battery

Specifications	
Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	2940
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	490
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	90
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	90
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	92.2
Dimensions	
Length (mm)	395
Width (mm)	105
Height (mm)	255
Mass (kg)	32
Terminal Type	
Threaded terminal - (M=Male or F=Female)	M8 (F)
Torque (Nm)	3.9-5.4
Operating Temperature Range	
Storage (in fully charged condition)	-15°C to +45°C
Charge	-15°C to +45°C
Discharge	-15°C to +45°C
Storage	
Capacity loss per month at 20°C (% approx.)	3
Case Material	
Standard	UL94:V0
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)	9.68
Cyclic (or Boost) charge current limit (A)	9.68
Maximum Discharge Current	
1 second (A)	540
1 minute (A)	279
Impedance	
Measured at 1 kHz (mΩ)	3.4
Design Life & Approvals	
EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

3rd Party Certifications

ISO9001 - Quality Management Systems
ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+3000-12 Industrial VRLA Battery

Specifications

Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	3000
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	500
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	91.4
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	91.4
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	93.6

Dimensions

Length (mm)	305 (±3)
Width (mm)	168 (±2)
Height (mm)	224.5 (±1)
Mass (kg)	33

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 +60°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)	22.5

Maximum Discharge Current

1 second (A)	1000
1 minute (A)	500

Short-Circuit Current & Internal Resistance

Short-Circuit current - according to EN IEC 60896-21 (A)	2258

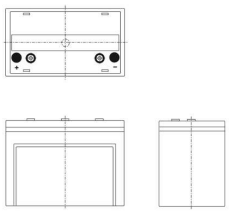
Impedance

Measured at 1 kHz (mΩ)	4

Design Life & Approvals

EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout



3rd Party Certifications

ISO9001 - Quality Management Systems
ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+3500-12 Industrial VRLA Battery

Specifications	
Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	3500
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	583
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	102
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	102
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	110.2
Dimensions	
Length (mm)	350 (±3)
Width (mm)	168 (±2)
Height (mm)	225 (±1)
Mass (kg)	37.7
Terminal Type	
Threaded terminal - (M=Male or F=Female)	M8 (F)
Torque (Nm)	6
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
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)	25.625
Maximum Discharge Current	
1 second (A)	1100
1 minute (A)	550
Short-Circuit Current & Internal Resistance	
Short-Circuit current - according to EN IEC 60896-21 (A)	2547
Impedance	
Measured at 1 kHz (mΩ)	3.5
Design Life & Approvals	
EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout

3rd Party Certifications

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ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+4000-12 Industrial VRLA Battery

Specifications

Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	4000
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	667
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	124
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	124
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	135

Dimensions

Length (mm)	350 (±3)
Width (mm)	173 (±2)
Height (mm)	272 (±2)
Mass (kg)	49.2

Terminal Type

Threaded terminal - (M=Male or F=Female)	M8 (F)
Torque (Nm)	6

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

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)	31

Maximum Discharge Current

1 second (A)	1200
1 minute (A)	600

Short-Circuit Current & Internal Resistance

Short-Circuit current - according to EN IEC 60896-21 (A)	3000

Impedance

Measured at 1 kHz (mΩ)	3

Design Life & Approvals

EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

Layout

3rd Party Certifications

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ISO14001 - Environmental Management Systems
ISO45001 OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.

Data Sheet generated on 21/10/2025 – E&OE

Yuasa Technical Data Sheet

Yuasa SWL+4300-12 Industrial VRLA Battery

Specifications

Nominal voltage (V)	12
10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block)	4300
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	717
10-hr rate Capacity to 1.75v per cell at 20°C (Ah)	130
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	130
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	140

Dimensions

Length (mm)	350 (±3)
Width (mm)	173 (±2)
Height (mm)	272 (±2)
Mass (kg)	49.2

Terminal Type

Threaded terminal - (M=Male or F=Female)	M8 (F)
Torque (Nm)	6

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

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)	31

Maximum Discharge Current

1 second (A)	1200
1 minute (A)	600

Short-Circuit Current & Internal Resistance

Short-Circuit current - according to EN IEC 60896-21 (A)	3000

Impedance

Measured at 1 kHz (mΩ)	3

Design Life & Approvals

EUROBAT Classification: Very Long Life	12+ years
Yuasa design life at 20°C (yrs)	up to 15 years

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