



by GSYUASA

SWL+

Yuasa SWL+

The next evolution in industrial VRLA batteries



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Building on the proven performance of our renowned SWL range, the Yuasa SWL+ series retains the robust design you already trust - now enhanced with advanced innovations that redefine reliability, longevity and power.

Designed for critical standby applications and high-rate discharge requirements, SWL+ takes industrial battery technology to the next level.

- Extended design life and EUROBAT classification**
 15 year design life at 20°C, EUROBAT classified as 12+ years “Very Long Life” providing a strong return on investment and complete peace of mind.
 12 year design life at 25°C.
- Enhanced high-rate performance**
 Optimised high-rate capacity ratings to meet the most demanding applications.
- Hybrid pure Lead technology**
 Constructed using a specialised hybrid combination of primary pure Lead and advanced recycled alloy to optimise performance and provide market-leading service life.
- HT Element X Alloy™ technology**
 Exclusive to GS Yuasa, HT Element X Alloy™ technology provides longer life by reducing positive grid corrosion and reducing water loss.
- Delivers CAPEX savings and cuts energy costs**
 Through longer life, fewer replacements and allowing 25°C room temperatures while maintaining a 12-year life.
- Sustainable design and manufacture**
 Integrates recycled materials and cutting-edge processes in our UK factory for minimal environmental impact without compromising performance - backed by 98% recyclability for a truly circular lifecycle.
- 100% quality inspection and guaranteed capacity**
 Rigorous quality control at each manufacturing stage to ensure every SWL+ battery is fully tested and ready to perform from the moment it leaves our factory.
- Certified safety, performance and durability**
 Certified to UL 1989. Produced and tested in ISO and UKAS certified facilities to comply with the highest industry standards.

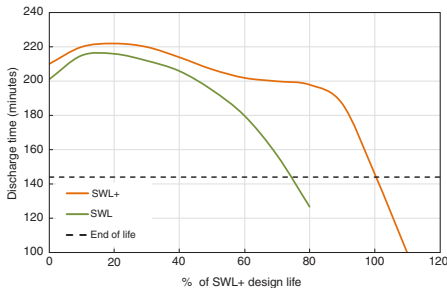
- **Field-proven back-up power**

Trusted by iconic buildings, businesses, brands and operations across Europe, the SWL+ series continues our long-standing legacy of dependable standby solutions.

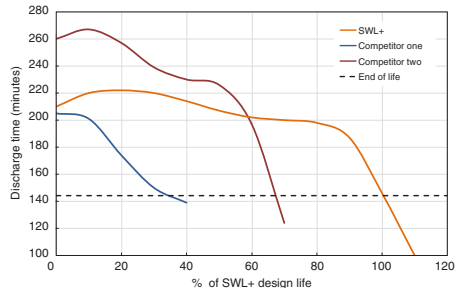
- **Fully compatible with existing SWL installations**

Can be installed as a direct replacement for UK manufactured SWL batteries where required for seamless integration with existing battery systems.

SWL+ design life improvement
Impact stress temperature test (IEC 60896-21:6.16) at 55°C



SWL+ design life comparison
Design life durations impact stress temperature test (IEC 60896-21:6.16) at 55°C



Built on the proven SWL foundations:

- **Enhanced energy density**

Offers higher discharge capacity than standard equivalents, making it an excellent choice for high-rate discharge applications.

- **Superior deep discharge recovery**

Ensures dependable performance and longevity, even after deep discharges.

- **Valve regulated, maintenance free design**

Advanced gas recombination technology reduces the release of gas, virtually eliminating the need for maintenance.

- **Versatile orientation**

Can be installed in various positions (excluding inverted use) with no loss of performance.

- **Flame retardant options**

Standard cases meet UL94:HB, with UL94:V0 flame retardant options available to enhance safety.



Experience the future of standby power with the new Yuasa SWL+ series. Combining the trusted strengths of our SWL range with pioneering design improvements, SWL+ ensures you are fully powered and always prepared. Rely on GS Yuasa - the name that Europe's most iconic sites and brands have trusted for decades.



Model name	Nominal Voltage (Volts)	Capacity		Watts per cell 10 min to 1.6VPC at 20 °C (watts)	Dimensions (mm)			Weight - typical (kg)	Impedance at 1kHz mOhms	1 Second rate (Amps)	Torque (Nm)
		20-hr rate to 10.5V at 20 °C (Ah)	10-hr rate to 10.8V at 20 °C (Ah)		Length (±2)	Width (±2)	Overall height (±2)				
SWL+800(FR)	12	25.0	22.9	133	166	175	125	9.8	8.5	500	2.5
SWL+850(FR)	12	28.8	27.1	141	166	125	175	10.1	8.5	500	2.5
SWL+1200(FR)	12	40.6	39.6	200	197	165	170	14.5	7.5	500	2.5
SWL+1850-6(FR)	6	148	132	-	350	166	174	23.8	1.8	500	4.8
SWL+1950(FR)	12	74.0	66.0	325	350	166	174	23.8	4.4	800	4.8
SWL+2000(FR)	12	57.6	55.0	333	216	168	223	23.0	6.0	800	4.8
SWL+2250(FR)	12	86.0	76.0	375	380	166	174	28.0	3.6	800	6.0
SWL+2450(FR)	12	80.0	78.0	408	261	168	225	28.0	5.0	800	4.8
SWL+2800-6(FR)	6	184	180	933	297	168	231.5	32.5	1.7	1500	6.0
SWL+2900-12FT	12	96.8	90	490	395	105	255.0	32.4	3.4	540	6.0/4.8
SWL+3000(FR)	12	93.6	91.4	500	305	168	225	32.0	4.0	1000	4.8
SWL+3500(FR)	12	110.2	102.5	583	350	168	225	37.5	3.5	1100	6.0
SWL+4000(FR)	12	135	124	666	350	173	272	48.0	3.0	1200	6.0
SWL+4300(FR)	12	140	130	716.8	350	173	272	49.2	3.0	1200	6.0



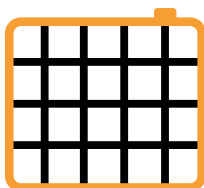
High temperatures can cause grid corrosion and growth which weakens the battery and reduces its service life.

GS Yuasa's HT Element X Alloy™ stops this at the source, delivering more power for longer, even in tough environments.



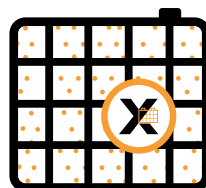
Low-corrosion grid alloy

Made from hybrid pure Lead to resist corrosion and reduce water loss



Reinforced grid frame

A thicker outer edge slows grid deformation and boosts durability



X impurity minimisation

Microscopic impurities in Lead - known as 'X' - are tightly controlled