



by GSYUASA



Yuasa SWL+
The next evolution in industrial VRLA batteries



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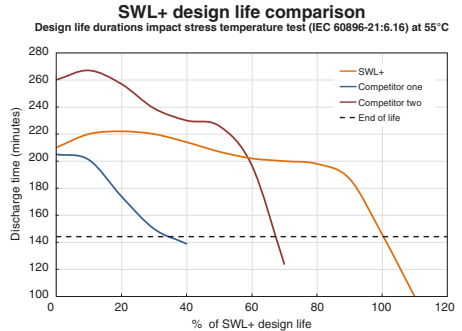
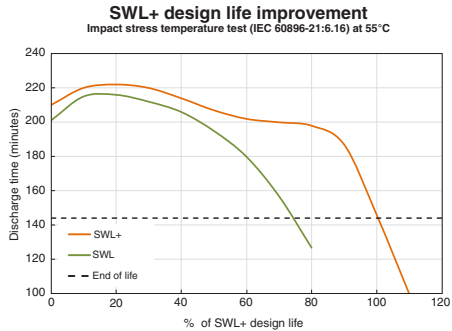


Building on the proven performance of our renowned SWL range, the Yuasa SWL+ series retains the robust design you already trust - now enhanced with advanced innovations that redefine reliability, longevity and power.

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.



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			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)	Watts per cell 10 min to 1.6VPC at 20°C (watts)	Length (±2)	Width (±2)	Overall height (±2)				
SWL+800(FR)	12	25	22.9	133	166	175	125	9.8	8.5	500	2.5
SWL+850(FR)	12	28.8	27	142	166	125	175	10.3	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	66	325	350	166	174	23.3	4.4	800	4.8
SWL+2000(FR)	12	57.6	55	333	216	168	223	23.2	6	800	4.8
SWL+2250(FR)	12	86	76	375	380	166	177.5	28	3.6	800	6
SWL+2450(FR)	12	80	78	408	261	168	225.7	28.3	5	800	4.8
SWL+2800-6(FR)	6	184	180	933	297	168	232.5	32.5	1.7	1500	6
SWL+2900-12FT	12	92.2	90	490	395	105	255	32	3.4	540	3.9
SWL+3000(FR)	12	93.6	91.4	500	305	168	225.7	33	4	1000	4.8
SWL+3500(FR)	12	110.2	102	583	350	168	225.7	37.7	3.5	1100	6
SWL+4000(FR)	12	135	124	667	350	173	272	49.2	3	1200	6
SWL+4300(FR)	12	140	130	716.8	350	173	272	49.2	3	1200	6



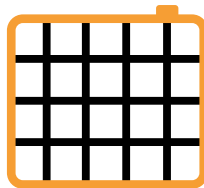
High temperatures can cause grid corrosion and growth which weakens the battery and reduces its service life.

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



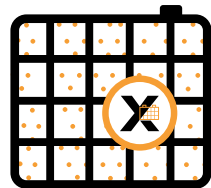
Low-corrosion grid alloy

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