



Industrial battery
ranges



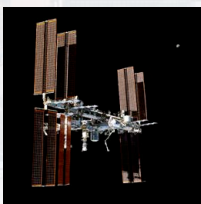
Creating the Future of Energy

GS Yuasa batteries are globally renowned for their exceptional quality, reliability and performance.

In fact, our batteries power thousands of applications that enable our everyday lives. From starting your car to go to the shops, to the GPS signal your sat nav uses to get there. They even support your bank's IT systems that allow you to pay by card.

GS Yuasa batteries are also the preferred choice for applications where absolute reliability is essential. From deep sea submarines, to the Boeing 787 Dreamliner and International Space Station.

Join the millions of engineers and electrical installers who trust GS Yuasa, the world's leading battery manufacturer.



The GS Yuasa Group

Established in 1917, GS Yuasa have delivered continuous innovation and growth for over 100 years.

From facilities around the world, we're renowned for manufacturing world-leading VRLA and lithium-ion batteries.



- GS Yuasa sales company
- GS Yuasa production facility



VRLA vehicle starter & industrial

Lithium-ion starter & drivetrain



What makes us different



Award-winning products & service

Over the years, we've been recognised with highly prestigious industry awards.



World-class training

Whether in person or online, training is an integral part of our service.



Continuous innovation

We're leading the way in lead acid and lithium technology for all industrial and vehicle applications.



The widest range

Our Yuasa, GS and GS Yuasa battery ranges are renowned for the broad range of applications they support.



Dedicated technical & service support teams

Our UK-based teams provide support and advice to thousands of GS Yuasa customers and users each year.



Fast delivery & distribution

Our purpose-built distribution centre offers next day delivery within the UK.



The industry's most powerful online tools

We make finding and fitting batteries easy. Our award-winning Academy makes training accessible to all.



GS Yuasa Battery Europe

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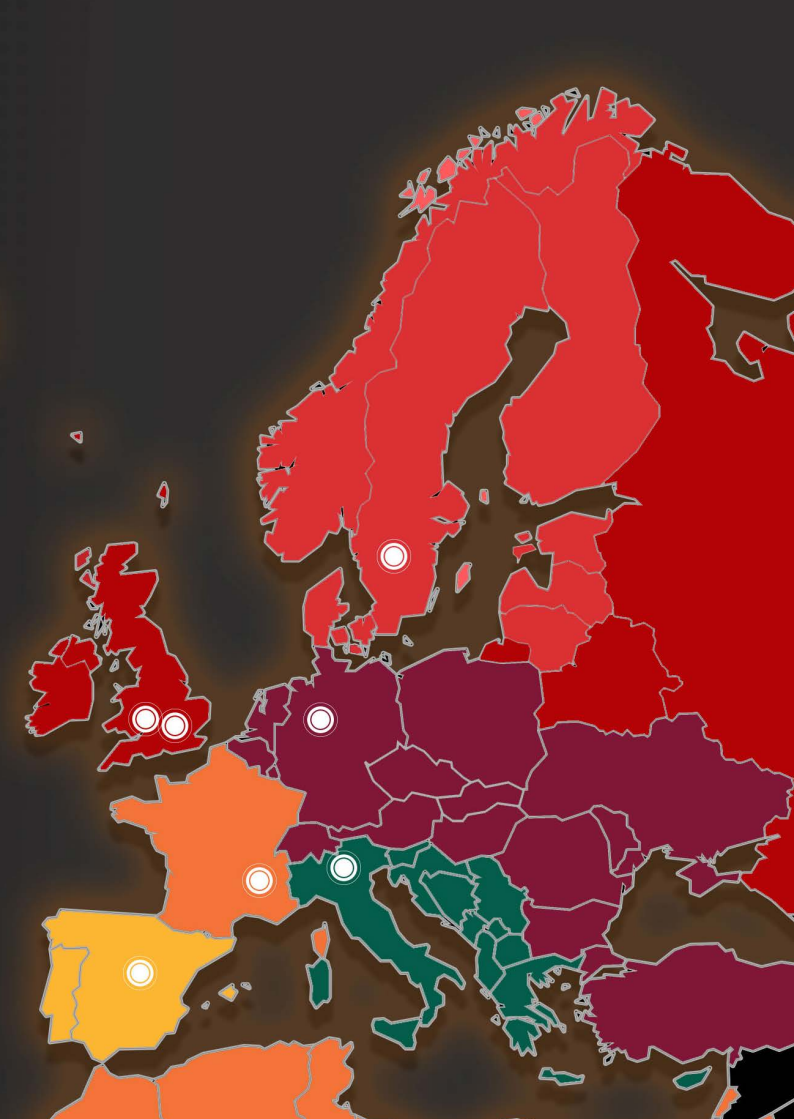
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Yuasa NP series



Engineered to meet the demands of both float standby and cyclic applications, each battery in the Yuasa NP series is designed to provide superior performance, extended life, and unmatched versatility.

- Guaranteed capacity
- Yuasa quality assurance
- 6 & 12 Volt types
- 1Ah to 65Ah
- Suitable for both float standby & light cyclic use
- Range features 45 batteries, including NPH, NPW & FR options

Suitable for a range of applications, including:



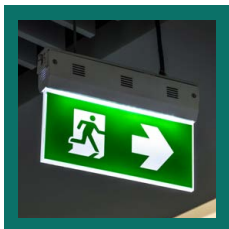
Yuasa RE series



Designed to surpass the standards set by the Yuasa NP series, the Yuasa RE series maintains the hallmark features of our NP batteries, including superb recovery from deep discharge, a unique electrolyte suspension system, and gas recombination technology, all while offering an extended lifespan.

- Guaranteed capacity
- Yuasa quality assurance
- 12 Volt
- 5Ah to 12Ah
- Suitable for both float standby & light cyclic use
- Range features 6 batteries, including REW & FR options

Suitable for a range of applications, including:



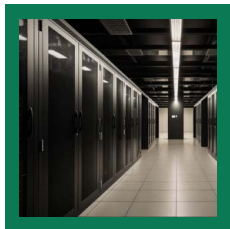
Yuasa NPL series



Leveraging the robust foundation of our renowned NP series, the Yuasa NPL series introduces enhancements that elevate service life to meet the 'Long Life' EUROBAT classification of up to 12 years for float standby use.

- 6 & 12 Volt types
- 24Ah to 200Ah
- Suitable for float standby use
- Range features 10 batteries, including FR options

Suitable for a range of applications, including:



Yuasa FXH series



Tailored for the demanding needs of telecommunications, data centres, UPS systems, and more, the Yuasa FXH series is the pinnacle of innovation, offering unmatched reliability and efficiency.

- Front terminal connection for ease of installation maintenance
- 12 Volt
- 45Ah to 200Ah
- Suitable for float standby use
- Range features 8 batteries

Suitable for a range of applications, including:



Yuasa SWL series



Building upon the robust foundation of our NPL series, the Yuasa SWL series introduces an advancement that boosts the energy-to-density ratio, delivering up to 40% extra discharge capacity. This enhancement ensures the SWL series not only surpasses traditional expectations but also maintains the renowned design benefits shared with the NP and NPL series.

- 6 & 12 Volt types
- 24Ah to 180Ah
- Suitable for float standby use
- Range features 26 batteries, including SW & FR options

Suitable for a range of applications, including:



Yuasa SWL+ series



Building on the proven performance of the 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.

- 6 & 12 Volt types
- 24Ah to 180Ah
- Suitable for float standby use
- Range features 27 batteries, including SW & FR options

Suitable for a range of applications, including:



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



Yuasa EN series



The Yuasa EN series provides reliability and performance for float standby applications. Engineered for the most demanding applications, the EN series is a solid choice for engineers requiring a dependable power backup solution with a 12-year EUROBAT classification.

- 2, 4 & 6 Volt types
- 80Ah to 540Ah
- Suitable for float standby use
- Range features 9 batteries

Suitable for a range of applications, including:



Yuasa ENL series



Building on the solid foundation of the EN series, the Yuasa ENL series takes endurance and reliability further with a 15-year design life. Each battery in the range has been specifically designed for those critical float standby applications where extended service life and reliability are paramount.

- 2, 4, 6 & 12 Volt types
- 100Ah to 480Ah
- Suitable for float standby use
- Range features 6 batteries, including a front terminal option

Suitable for a range of applications, including:



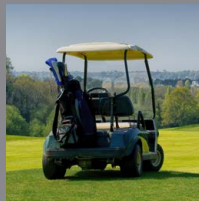
Yuasa REC series



The Yuasa REC series embodies the pinnacle of VRLA battery technology. Whether for mobility solutions, renewable energy storage, or other cyclic use applications, the REC series offers a reliable, high-performance power source, making it a superior choice for a wide range of demanding applications.

- 12 Volt
- 10Ah to 80Ah
- Suitable for cyclic use
- Range features 7 batteries

Suitable for a range of applications, including:



Yuasa NPC series



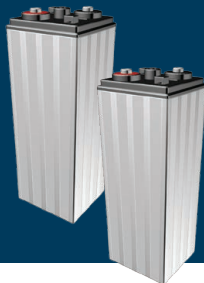
The Yuasa NPC series represents a solid choice for those seeking reliable cyclic battery performance for a variety of applications. The NPC is designed for up to 600 charge/discharge cycles at 75% depth of discharge. It provides durable performance for regular cyclic needs.

- 12 Volt
- 24Ah to 100Ah
- Suitable for cyclic use
- Range features 4 batteries

Suitable for a range of applications, including:



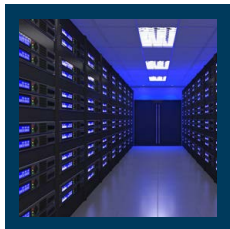
Yuasa SLR series



Designed to meet the demanding requirements of energy storage systems, the Yuasa SLR series sets a new standard for durability and efficiency. Offering up to 5,500 cycles at 70% depth of discharge, these batteries are ideal for supporting large-scale power needs with reliable and efficient energy storage.

- 2 Volt
- 500Ah & 1000Ah
- Suitable for heavy duty cyclic use
- Range features 2 batteries

Suitable for a range of applications, including:



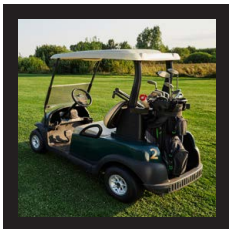
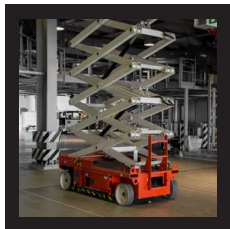
GS Yuasa Pro-Spec



Our specially developed range of multi-purpose deep cycle batteries, the GS Yuasa Pro-Spec range has been designed to meet the rigorous demands of deep discharge applications. With over 500 cyclic design life, these batteries are built for durability and longevity, offering exceptional performance in a wide range of electric vehicles and industrial equipment.

- 6, 8 & 12 Volt types
- 150Ah to 260Ah
- Suitable for deep cyclic use
- Range features 15 batteries

Suitable for a range of applications, including:





NiCd, NiMH and Lithium batteries



Available exclusively from GS Yuasa, the YU-Lite range has been specially engineered for applications where long life and dependability are critical. Suitable for use in emergency lighting, wireless security and other industrial applications, the range includes NiCd, NiMH and Lithium options.



Rechargeable with excellent cyclic performance, **YU-Lite NiCd** batteries can be trusted to deliver a service life of up to 4 years in emergency lighting applications. The range features 149 batteries, with both single cells and multiple pack configurations available.

Much like their NiCd cousins, **YU-Lite NiMH** batteries offer excellent cyclic performance and a long service life of up to four years in emergency lighting applications. The range features 57 batteries, with no heavy metals.

YU-Lite Lithium batteries offer superior shelf life with minimal discharge. Including the popular CR2 and CR123A types. The range features 4 batteries and is suitable for use in popular wireless fire and security applications.

Designed specifically for use in Pyronix® wireless security systems, the **YU-Lite Alarm System** range is original equipment (OE) quality and features 6 batteries, including both non-rechargeable Lithium and rechargeable NiMH options.





Leading the way in lithium

For over 30 years, GS Yuasa lithium-ion batteries have delivered unparalleled performance in critical applications.

Using proven Japanese engineering and technology, our state-of-the-art cells and modules have been used in thousands of projects where failure is not an option.

GS Yuasa are the preferred choice for NASA, Boeing, Mitsubishi, Honda and countless energy storage solutions large and small. Our batteries are trusted to provide dependable energy storage in extreme operations from the depths of the ocean to outer space.

This unrivalled expertise, experience and technological know-how can be found in all GS Yuasa products.

GS Yuasa LIM30HL



GS Yuasa LIM30HL modules have exceptionally high power capabilities. They are ideal for applications in which two seconds to five minutes of discharge is required.

- Provides a cost effective alternative to flywheels or supercapacitors
- Ideal for moving applications, such as material handling equipment, cranes and trains due to their ability to accept bursts of regenerative energy
- Lithium manganese chemistry provides up to 50,000 cycles in partial state of charge conditions
- Integrated battery management system to ensure cells are continuously balanced



GS Yuasa LIM50EL



The LIM50EL is our premium energy storage module providing superior cyclic and float standby life duration. They are ideal for applications in which two minutes to ten hours of discharge is required.

- Lithium manganese chemistry provides high energy density giving more power from a compact solution
- Suitable for high voltage applications - modules can be connected in series to meet the required system voltage
- Can be used in parallel to create a high capacity energy storage solution
- Charge acceptance capability extends to sub-zero temperatures





The GS Yuasa UK Technical team provide a complete battery design and quotation service, including the following:

Battery sizing: utilising Yuasa's range of VRLA batteries, the latest design software, and extensive technical expertise, our engineers will find the best battery solution tailored to your requirements.

Battery containment: GS Yuasa have a full complement of battery racking solutions available. Our popular open or clad steel flat pack racking can be built to specification. Options include colour, tier heights, leg extensions, seismic strengthening and many more.

Gas & heat: we can provide full calculations to EN IEC 62485-2 relating to heat output and ventilation requirements of any Yuasa battery system.

Drawings: using AutoCAD software, our engineers can provide detailed rack and battery layout drawings for your project.

Install: GS Yuasa can quote for and arrange battery installation and commissioning. Our trained engineers and over 40 years of industrial battery experience will ensure your project goes smoothly.

System testing: we offer a full battery testing service for battery installations of all sizes. Measuring every battery for impedance and voltage, a detailed report with findings and recommendations will be issued once completed.

For more information, contact info@gs-yuasa.uk

Accessories

Yu-Power® YPCBM2 wireless battery temperature logger & Yu-Power® YPCBL2 battery temperature logger USB wireless receiver

A monitoring strategy is essential in ensuring that a UPS system will always fulfil its role. Long service life and reliable performance can be achieved by continually monitoring key parameters.

Yuasa's easy-to-use battery monitoring solution consists of the Yuasa YPCBM2 wireless battery temperature logger and the Yuasa YPCBL2 battery temperature logger USB wireless receiver (supplied separately).

When used together these products monitor temperature and voltage, communicate wirelessly, and determine if the system is operating within the recommended guidelines.



Yu-Power® analytical software



Designed by GS Yuasa engineers, the Yu-Power® analytical software accurately displays key data from each registered battery temperature logger to provide full visibility of system performance status.

Hioki BT3554 impedance tester

The Hioki BT3554 impedance tester provides complete diagnosis of Valve Regulated Lead Acid (VRLA) batteries with a single device.

- Battery measurement can be performed while the battery is connected to its host device, without taking it offline
- Instantaneously diagnose battery degradation (PASS, WARNING, FAIL) by measuring internal resistance and voltage
- Measure and save data in as fast as two seconds



GS Yuasa GYT117 conductance tester

The GS Yuasa GYT117 conductance tester provides a user-friendly solution to quickly testing the state of health of 6 and 12 Volt VRLA batteries. It is specifically designed for testing batteries used in security systems, fire alarms, emergency lighting, mobility vehicles, small UPS systems and many other applications.

- Accurate Siemens and voltage readings for 6 and 12V batteries ranging from 0.5Ah to 25Ah capacity



Our industrial battery ranges

From depths of 6,500 metres below the ocean surface to 36,000 kilometres high in space, GS Yuasa batteries are the preferred choice for applications in which failure is not an option.

With over 20 ranges, including Europe's market-leading VRLA ranges, there's a GS Yuasa battery for almost every application.

												
NP	✓	✓	✓	✓	✓							
RE	✓	✓	✓	✓	✓							
NPL	✓	✓			✓	✓	✓					
SWL	✓	✓										
SWL+	✓	✓										
EN	✓	✓			✓							
ENL	✓	✓			✓							
FXH	✓	✓				✓	✓					
SLR						✓	✓					
REC					✓		✓	✓	✓	✓		
NPC					✓		✓	✓	✓	✓		
LIM30HL	✓						✓					
LIM50EL	✓					✓	✓					
LIM50EL 48V		✓										
YU-Lite			✓	✓	✓							
Pro-Spec									✓		✓	✓

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