



COMMERCIAL VEHICLE BATTERY RANGE

For HGV, PSV, Specialist Utility, Agriculture and Heavy Plant Vehicles



BATTERY
YUASA
TRADE MARK



YUASA
BATTERY



100 YEARS OF QUALITY, RELIABILITY & PERFORMANCE

- Over 100-year pedigree, founded in 1918
- UK market leader for vehicle & industrial batteries
- Engineered for long life & maximum power
- The largest vehicle coverage from one brand

Join the millions of people who enjoy the long service life, high performance and exceptional reliability provided by Yuasa, the world's leading battery manufacturer.





GS Yuasa Battery Europe

For over 30 years, GS Yuasa Battery Europe Ltd have been Europe's leading battery supplier.

From sales and distribution centres in UK, Italy, Spain, France and Germany, GS Yuasa supply European markets with an extensive range of high-quality energy storage and network stabilisation solutions.

Our award-winning products, service and supply lead the industry and continue to set new standards of customer care, quality, choice and year-round availability.

A GS Yuasa company

GS Yuasa are the world's leading battery manufacturer and global leader for quality and innovation.

The GS Yuasa Group consists of 65 subsidiaries and 33 affiliates in countries throughout the world.

For over 100 years GS Yuasa has continually created advanced stored energy solutions under the philosophy of "innovation and growth", and established itself as the number one choice for vehicle and industrial batteries.

GS Yuasa batteries are used in a wide range of applications from the Shinkai deep sea submarine, to the Boeing 787 Dreamliner aircraft and International Space Station... and everything in between.

A UK manufacturer

Production began at GS Yuasa's manufacturing plant in Ebbw Vale, UK in 1981.

Manufacturing Yuasa NPL, EN, ENL and SWL battery ranges, well over 85 million batteries have been produced since the factory opened.



ORIGINAL EQUIPMENT MANUFACTURER

To the world's top vehicle marques

Vehicle manufacturers demand the best, so overwhelmingly fit GS Yuasa batteries as standard:

Automotive:

BMW, Daihatsu, Daimler, General Motors, Honda, Infiniti, Isuzu, Land Rover, Lexus, Mazda, Mercedes-Benz, Mitsubishi, Nissan, PSA Peugeot Citroen, Subaru, Suzuki, TATA, Toyota

Motorcycle:

Aprilia, BMW, Ducati, Harley-Davidson, Honda, Kawasaki, KTM, Moto Guzzi, MV Augusta, Piaggio, Suzuki, Triumph, Vespa, Yamaha

Powersport:

Artic Cat, Bombardier Sea-Doo, Bombardier Ski-Doo, BRP Rotax, Honda, Kawasaki, Polaris, Suzuki, Yamaha

Commercial vehicle:

Daihatsu, Hino, Isuzu, Honda, Mazda, Mitsubishi Fuso, Nissan, Suzuki, Toyota, UD Trucks

Plant & agriculture:

Caterpillar, Cummins, IHI Construction Machinery, Iseki, Kobelco, Komatsu, Kubota, Mitsubishi Heavy Industries, Tedano Cranes, Yanmar

Leisure:

Erwin Hymer Group, Elddis, Buccaneer, Compass, Xplore, Swift Group, Abbey, Ace, Autocruise, Bessacarr, Eccles, Escape, Mondial, Sprite, Sterling



OESAA Member

GUARANTEED QUALITY

GS Yuasa Battery Sales UK Ltd uses the internationally recognised quality management system ISO 9001 to provide the framework for consistent performance and reliable service in the supply of automotive, motorcycle and industrial batteries to our customers.

Our customers can be confident that we have the tools in place to ensure customer satisfaction in products, supply and service.



FM: 585105



The Yuasa difference - your complete power solution



Award-winning products & service

We pride ourselves on offering the best customer service, year-round availability and high quality products. Over recent years, Yuasa has been recognised with several prestigious awards including Supplier of the Year from the IAAF.



The largest range available

Providing coverage of over 99% of the European vehicle parc, Yuasa cover more vehicles and applications than any other manufacturer. Our market-leading product ranges include a comprehensive selection of technologically advanced batteries and accessories.



UK based technical support team

With a dedicated team of specialist engineers and technicians, Yuasa's technical department provide support and advice to thousands of Yuasa users each year. The team handle technical enquiries at all levels and can be contacted on +44 (0)1793 833555 or info@gs-yuasa.uk.



Training for workshops & distributors

Training is an integral part of our service. Aiming to dispel myths and highlight opportunities, our interactive sessions deliver up-to-date training on the latest battery technology in an engaging and accessible way.



Innovation & technology

We invest heavily in research, development and product testing to ensure we continue to meet the needs of the market place and the next generation of vehicles.



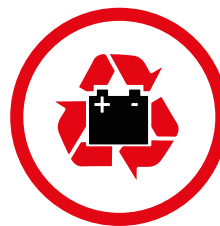
Fast delivery & distribution

Our large distribution centre can deliver mixed pallets or single batteries next day within the UK, and within 48 hours for Northern Ireland and Ireland.



Sponsorship & advertising

Yuasa is one of the most well recognised brands on the market. We're proud of our high-profile sponsorship programme which includes world famous motorsport teams, football, rugby and cricket, plus targeted year-round advertising.



Nationwide scrap collection service

We are dedicated to caring for the environment and offer a comprehensive scrap collection service. Our easy-to-use solution not only collects and recycles waste batteries but also provides businesses with additional revenue.





Common applications

HGV & truck

A lot of factors come into play when choosing the right battery, including whether the HGV has a sleeper cab, the truck has a tail lift, whether the vehicle is used for long or short haul journeys or if it has any additional electrical accessories.

For heavy goods vehicles used for long haul journeys with frequent overnight usage, Yuasa recommend the YBX7000EFB range.

A suitable range for trucks with a tail lift used for multi-drop, short haul journeys is the YBX5000 range.

Popular battery types are YBX5625, YBX5629 and YBX5623.

Typical power demands:

- Safety equipment
- Lighting systems
- TV & satellite
- Air conditioning
- Fridges & wash facilities
- Media applications



Bus

It's crucial that bus services remains reliable and punctual. With frequent stopping and multiple pick up journeys every day, they need a battery that can cope with the strain of cyclic demands. Yuasa understands that to ensure fleets remain on the road, they need a battery that provides the highest quality and reliability.

The YBX7000 range provides exceptional power for Public Service Vehicles (PSV) with urban, multi-stop journeys.

Most popular battery types include YBX7625, YBX7625 and YBX5627, YBX3663, YBX3664.

Typical power demands:

- GPS systems
- Safety equipment
- Media applications
- Lighting systems
- Bus tilt systems
- 'Stop' communication system



Coach

A coach is the heart of a business and the battery is the heart of a coach. The unrivalled quality and performance offered by Yuasa's YBX Super Heavy Duty batteries are perfect to guarantee that passengers get to their destination on time. Crucially, fleet downtime should be avoided to maximise commercial productivity, particularly when punctuality is key.

Yuasa's highly reliable YBX3000 range provides the minimum power requirement for coaches used for long haul journeys.

Most popular battery types include YBX5625, YBX5627, YBX5629, YBX3663, YBX3664, YBX1615.

Typical power demands:

- Toilets and washrooms
- Fridges
- GPS systems
- Media applications
- Safety equipment
- Air conditioning



Agricultural

Yuasa's batteries for agricultural vehicles feature first-rate starting performance, enhanced safety features and the essential reserves to power in-cab equipment such as air conditioning and satellite navigation systems. Agricultural vehicles also need to be ready to use after long seasonal periods of disuse.

The YBX1000 range will provide the minimum specification for small tractors with varied, daily use. For combine harvesters with seasonal usage, Yuasa recommend the YBX3000 range.

Construction

Construction and working vehicles deserve only the best. Due to one of the harshest vehicle operating conditions, it is essential that these vehicles have a battery that has maximum starting power and the highest vibration resistance.

The YBX5000 range extremely high vibration resistance and is ultra-reliable, start after start. The Super Heavy Duty range will avoid costly periods of idleness.

Typical power demands:

- Air conditioning
- GPS systems
- Crane systems

Municipal vehicles

Public sector vehicles such as bin refuse lorries, road sweepers and gritters are vital to keep the country functioning smoothly. Without these on the roads, life would be much different. They need to be cost efficient and highly reliable to continue to operate day in, day out.

The minimum recommendation for a refuse collection vehicle with continuous usage is the YBX3000 range.

Fire engines

It's a vital role to run a fleet of fire engines. They need to be ready to go at any time of the day, all year round. This is a vehicle that needs to be reliable to start first time every time.

The YBX7000 range offers the highest specification and cyclic abilities whilst also providing a reliable power source to consistently supply radio systems, as well as charge auxiliary units when required.



MAXIMUM POWER MINIMUM DOWNTIME



Super Heavy Duty power for the long haul.

- The most comprehensive & highest specification range available
- XVR vibration resistance - the highest on the market
- Designed to meet the requirements of our OE vehicle manufacturing partners
- Conventional & EFB batteries constructed for the rigours of commercial applications
- Enhanced safety features including integrated flame arrestor & carrying handles
- Exceptional levels of cyclic endurance



COMMERCIAL VEHICLE

For HGV, PSV, specialist utility, agriculture & heavy plant vehicles



Manufactured using some of the toughest components and materials available, Yuasa commercial vehicle batteries represent the very latest in performance and reliability. They give drivers and fleet managers what they really want - longer life with less down time.

Delivering more than just superior starting power, they can sustain constant current loads over extended periods, to run on-board accessories for longer.

SUPERIOR PERFORMANCE BUILT IN



- Power demands
- Overnight hotelling
- Cycles
- Vibration resistance
- Endurance
- End of chassis
- Mixing device

YBX®7000

High
Frequent

OVER
765
CYCLES
125% DOD

XVR
EXTREME VIBRATION
RESISTANCE (X V4)

MICRO-CYCLE
M1
M1 - M3

RECOMMENDED FOR END
OF CHASSIS LOCATION

BUILT MIXING DEVICE TO
EXTEND BATTERY LIFE

YBX®5000

High
Regular

OVER
765
CYCLES
125% DOD

XVR
EXTREME VIBRATION
RESISTANCE (X V4)

MICRO-CYCLE
M1
M1 - M3

RECOMMENDED FOR END
OF CHASSIS LOCATION

YBX®3000

Standard
Occasional

OVER
150
CYCLES
50% DOD

VIBRATION
V3/V4
V1 - V4

ENDURANCE
E2
E1 - E4

RECOMMENDED FOR END
OF CHASSIS LOCATION

YBX®1000

Basic

OVER
80
CYCLES
50% DOD

VIBRATION
V2
V1 - V4

ENDURANCE
E1
E1 - E4

Application examples for commercial vehicle range

Example scenario		Minimum recommendation	Recommended battery characteristics		
Vehicle	Usage	Battery range	Endurance / Micro-cycle	Vibration resistance	Power demands
HGV & truck					
HGV with sleeper cab	Long haul with frequent hotel usage	YBX7000	M1	XVR	High cyclic
HGV without sleeper cab	Long haul	YBX3000	E2	V3	Standard
Truck with a tail lift	Multi-drop short haul	YBX5000	M1	XVR	High
Truck without a tail lift	Non-urban short haul	YBX1000	E1	V2	Basic
Specialist utility					
Fire Engine	Varied daily	YBX7000	M1	XVR	High cyclic
Ambulance	Varied daily	YBX7000	M1	XVR	High cyclic
Refuse Collection	Continuous	YBX3000	E2	V3	Standard
Gritter truck	Continuous	YBX3000	E2	V3	Standard
Cargo tractor	Tug transfers	YBX3000	E2	V3	Standard
Agricultural					
Small Tractor	Varied daily	YBX1000	E1	V2	Basic
Large Tractor	Varied daily	YBX1000	E1	V2	Basic
Combine Harvester	Seasonal	YBX3000	E2	V3	Standard
Passenger service vehicles (PSV)					
Mini Bus (standard ignition)	Varied	YBX3000	E2	V3	Standard
Coach	Long haul	YBX3000	E2	V3	Standard
Public Bus	Urban multi-stop	YBX7000	M1	XVR	High cyclic
Heavy plant					
Cranes	Lengthy daily	YBX5000	M1	XVR	High
Loaders	Extreme terrain	YBX5000	M1	XVR	High
Bulldozers	Extreme terrain	YBX5000	M1	XVR	High
Excavators	High vibration	YBX5000	M1	XVR	High

Label icons explained



Cycles

Applicable to working out hotel load frequency requirements, cycles are the number of times the battery can be discharged then fully recharged. The higher the cyclic life, the more work the battery can do during its life.



XVR extreme vibration resistance

Batteries with XVR have 8 times V4 vibration resistance. Their advanced plate design and stronger intercell welds mean they are the most robust YBX batteries.



End of chassis location

The battery is built to withstand the extra vibration demands caused by end of chassis location. Failure to use a recommended battery will result in damage and premature failure.



Mixing device

The built-in mixing device constantly mixes the battery electrolyte to prevent plate damage caused by stratification and significantly extends battery service life.

Yuasa YBX super heavy duty commercial vehicle batteries feature:

- Original equipment (OE) quality, performance & specification
- Specially designed & constructed for the rigours of commercial, agricultural & plant vehicle applications
- Enhanced safety features including integrated flame arrestor & carrying handles

YBX®7000 series



- Premium choice for high power demands & end of chassis location
- Next generation enhanced flooded technology suitable for vehicles with Start – Stop systems or standard ignition
- For frequent overnight stays where hotel loads are applied
- XVR Extreme vibration resistance – 8 times V4
- M1 Micro-cycle endurance – over 765 cycles (17.5% DOD)
- Fully maintenance free with sealed double lid & built in electrolyte mixing device to extend battery life
- Optimised for frequent stop & start driving patterns thanks to exceptional partial state-of-charge operation
- High charge acceptance for faster charging
- End venting for remote exhaust of gases
- Lowest self-discharge rate for extended shelf life
- Range features 2 batteries



YBX®5000 series

- Designed for high performance vehicles with high power demands
- For regular overnight stays where hotel loads are applied
- XVR Extreme vibration resistance – 8 times V4
- M1 Micro-cycle endurance – over 765 cycles (17.5% DOD)
- Suitable for end of chassis location
- Fully maintenance free with sealed double lid
- End venting for remote exhaust of gases
- Lowest self-discharge rate for extended shelf life
- Range features 4 batteries

YBX®3000 series

- Designed for vehicles with standard power demands
- For occasional overnight stays where hotel loads are applied
- Superior vibration resistance – V3
- E2 Endurance rating – up to 150 cycles (50% DOD)
- Fully maintenance free with sealed double lid
- End venting for remote exhaust of gases
- Low self-discharge rate for extended shelf life
- Range features 13 batteries



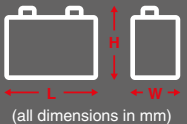


YBX3623, YBX3625, YBX3627, YBX3628, YBX3629 & YBX3630 feature V4 vibration resistance. They are suitable for end of chassis location



YBX®1000 series

- Designed for vehicles with basic power demands
- High vibration resistance – V2
- E1 Endurance rating – over 80 cycles (50% DOD)
- Maintenance free with easy access lid plugs for topping up if required
- Range features 26 batteries

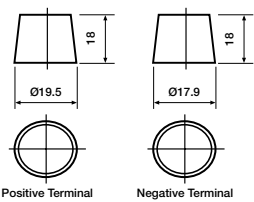
Super heavy duty commercial vehicle range specifications

Part number	Voltage (V)	Capacity (Ah)	CCA (A EN1)				 Weight (kg)	 Layout	Case type	Terminal	Hold-down	SOCl	Performance			
				L	W	H							Water Loss	Charge Retention	Vibration	Endurance / Micro- Cycle
YBX® 7000 EFB Start-Stop series																
European DIN types																
YBX7629	12	185	1230	511	222	215	46.2	3	DIN B	T1	N	Yes	W3	C2	V4	M1
YBX7625	12	230	1400	516	274	236	56.2	3	DIN C	T1	N	Yes	W3	C2	V4	M1
YBX® 5000 series																
European DIN types																
YBX5627	12	145	900	513	189	223	37	3	DIN A	T1	N	Yes	W3	C2	V4	M1
YBX5629	12	185	1200	511	222	215	46	3	DIN B	T1	N	Yes	W3	C2	V4	M1
YBX5623	12	185	1200	511	222	215	46	4	DIN B	T1	N	Yes	W3	C2	V4	M1
YBX5625	12	230	1350	516	274	236	56	3	DIN C	T1	N	Yes	W3	C2	V4	M1
YBX® 3000 series																
European DIN types																
YBX3627	12	143	900	513	189	223	36.5	3	DIN A	T1	N	Yes	W3	C2	V4	E2
YBX3630	12	143	900	513	189	223	36.5	3	DIN A	T1	B3	Yes	W3	C2	V4	E2
YBX3628	12	143	900	513	189	223	36.6	4	DIN A	T1	N	Yes	W3	C2	V4	E2
YBX3629	12	180	1175	511	222	215	45.3	3	DIN B	T1	N	Yes	W3	C2	V4	E2
YBX3623	12	180	1175	511	222	215	45.3	4	DIN B	T1	N	Yes	W3	C2	V4	E2
YBX3625	12	220	1150	516	274	236	56.4	3	DIN C	T1	N	Yes	W3	C2	V4	E2
European compact types																
YBX3663	12	112	870	346	173	234	25.5	0	Euro Compact Low D2	T1	N	-	W3	C2	V3	E2
YBX3664	12	112	870	346	173	234	25.5	1	Euro Compact Low D2	T1	N	-	W3	C2	V3	E2
YBX3665	12	112	870	346	173	234	25.5	0	Euro Compact Low D2A	T1	B1	-	W3	C2	V3	E2
US commercial types																
YBX3640	12	100	800	329	173	240	24	9	GR31A BCI	T1	N	Yes	W3	C2	V3	E2
YBX3641	12	110	925	329	173	240	25	9	GR31S BCI	Thread	N	Yes	W3	C2	V3	E2
YBX3642	12	110	925	329	173	240	25	9	GR31A BCI	T1	N	Yes	W3	C2	V3	E2
YBX3669	12	110	925	329	173	240	25	0	GR31 BCI	T1	N	Yes	W3	C2	V3	E2
YBX® 1000 series																
European DIN types																
YBX1627	12	120	680	513	189	223	33.6	3	DIN A	T1	N	-	W2	C2	V2	E1
YBX1612	12	143	900	513	189	223	37.6	3	DIN A	T1	N	-	W2	C2	V2	E1
YBX1628	12	143	900	513	189	223	37.6	4	DIN A	T1	N	-	W2	C2	V2	E1
YBX1630	12	143	900	513	189	223	37.6	3	DIN A	T1	B3	-	W2	C2	V2	E1
YBX1621	12	155	900	513	223	223	42	3	DIN B	T1	N	-	W2	C2	V2	E1
YBX1620	12	180	1100	513	223	223	44.9	3	DIN B	T1	B3	-	W2	C2	V2	E1
YBX1623	12	180	1100	513	223	223	44.9	4	DIN B	T1	N	-	W2	C2	V2	E1
YBX1626	12	180	1100	513	223	223	44.9	4	DIN B	T1	B3	-	W2	C2	V2	E1
YBX1629	12	180	1100	513	223	223	44.9	3	DIN B	T1	N	-	W2	C2	V2	E1
YBX1625	12	200	1100	513	274	242	55	3	DIN C	T1	N	-	W2	C2	V2	E1
YBX1624	12	200	1100	513	274	242	55	4	DIN C	T1	N	-	W2	C2	V2	E1
YBX1632	12	220	1150	513	274	242	57	3	DIN C	T1	N	-	W2	C2	V2	E1

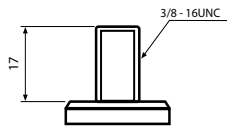
Part number	Voltage (V)	Capacity (Ah)	CCA (A EN1)	 <small>(all dimensions in mm)</small>			 Weight (kg)	 Layout	Case type	Terminal	Hold-down	SOCI	Performance				
				L	W	H							Water Loss	Charge Retention	Vibration	Endurance	
YBX®1000 series																	
European compact types																	
YBX1643	12	100	680	347	174	235	26	0	Euro Compact Low D2	T1	N	-	W2	C2	V2	E1	
YBX1644	12	100	680	347	174	235	26	1	Euro Compact Low D2	T1	N	-	W2	C2	V2	E1	
YBX1663	12	110	750	347	174	235	27.6	0	Euro Compact Low D2	T1	N	-	W2	C2	V2	E1	
YBX1664	12	110	750	347	174	235	27.6	1	Euro Compact Low D2	T1	N	-	W2	C2	V2	E1	
YBX1655	12	126	750	347	174	285	34	0	Euro Compact High D3	T1	N	-	W2	C2	V2	E1	
YBX1656	12	126	750	347	174	285	34	1	Euro Compact High D3	T1	N	-	W2	C2	V2	E1	
YBX1657	12	142	850	345	175	275	35.5	0	Euro Compact High D3	T1	N	-	W3	C2	V2	E1	
Japanese JIS types																	
YBX1616	12	110	680	407	176	234	29.6	0	E41 JIS	T1	N	-	W2	C2	V2	E1	
YBX1618	12	110	680	407	176	234	29.6	1	E41 JIS	T1	N	-	W2	C2	V2	E1	
US commercial types																	
YBX1222	12	135	900	510	216	210	38	3	MAC 143	T1	N	-	W2	C2	V2	E1	
YBX1615	12	135	910	514	175	210	32.5	3	MAC 110	T1	B3	Yes	W3	C2	V3	E1	
YBX1622	12	150	900	510	216	210	39.2	3	MAC 143	T1	N	-	W2	C2	V2	E1	
Other types																	
YBX1633	12	140	900	360	253	240	40.8	6	Volvo	T1	B1	-	W2	C2	V2	E1	
YBX1638	12	140	1100	508	175	205	36.5	0	Tractor	T1	B1	-	W2	C2	V2	E1	

Terminal

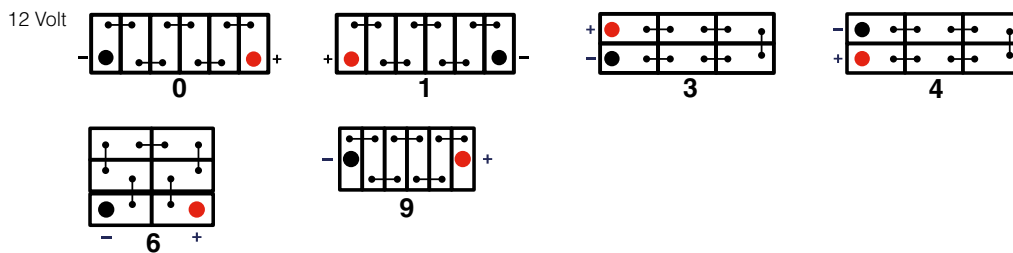
T1 Standard DIN post



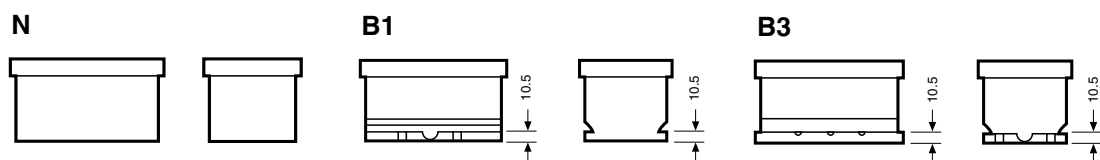
Thread US BCI stud terminal



Layout



Hold-down



(Dimensions in millimetres)

Cat. No.

E. & O. E.



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GS YUASA