

PLUS OUR EXPERT  
TIPS AND TRICKS  
TO EXTEND YOUR  
BATTERY LIFE!

 **YUASA**

by  **GS YUASA**



# The ultimate guide to bike batteries

**Forget the rest**

# **Only fit the original & best**

**With unmatched performance, reliability and long life, trust Yuasa to be the heartbeat of your ride.**

**The only bike batteries:**

- ✓ Factory fitted as OE & developed with the world's leading OE bike manufacturers
- ✓ Engineered for up to four times longer life & 30% more starting power
- ✓ Built with patented Sulfate Stop for unbeatable reliability
- ✓ With authentic, genuine YTX<sup>®</sup>, GYZ<sup>®</sup> & YTZ<sup>®</sup> models
- ✓ Designed & manufactured with Japanese precision for unrivalled performance.

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# How to make your motorcycle or scooter battery last longer

Yuasa batteries are built to last longer and deliver more power. By following a few simple tips, and looking after your battery correctly, you can get the maximum possible service life. When working with batteries, it's important to take care and follow the correct health and safety guidelines to protect yourself from serious injuries from fire, explosions or leaking acid.

## Use the right battery

First and foremost, it's important to check that the battery is of the correct specification and technology for your motorcycle. Using the wrong battery will result in a reduced service life. For a full list of suitable batteries, including potential upgrade options, simply enter your registration number at **[www.yuasa.com](http://www.yuasa.com)**.

## Upgrade for maximum life

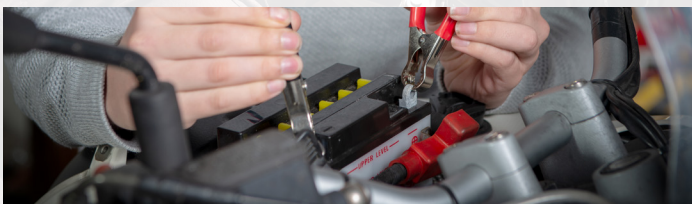
For some battery models, an upgrade is available. If applicable, these will be shown on our website: **[www.yuasa.com](http://www.yuasa.com)**. When compared to the standard-fit battery, upgrading can result in up to four times longer life.

## Maintenance

Keeping to a proper maintenance schedule will extend service life. Although this can differ depending on battery model, a typical schedule is to:

- Disconnect the battery from your bike, negative terminal first
- Place it on a clean, even surface in a well-ventilated location
- Check the terminals for corrosion – if present, clean with a wire brush
- If applicable, remove the lid plugs & top up with distilled water to the level indicated on the battery
- Replace the lid plugs securely.





## Take charge with Yuasa YCX

Keeping your battery fully charged is a sure-fire way to prevent internal damage and premature failure. This isn't difficult whilst your bike is in regular use, providing your alternator is in good order. However, if you take long breaks from riding or make short, infrequent journeys, your battery may not receive the charge required to maintain a good state of health. To avoid failure, we recommend using a motorcycle battery-specific smart charger.

Smart battery chargers, such as the Yuasa YCX1.5 and YCX6, can safely monitor and maintain a battery, whether on or off the bike. By using one during extended periods of inactivity, you can keep the battery at an optimum voltage and allow security systems and ECU memories to remain active, meaning your bike's ready to go when you are.



# Yuasa YCX Smart Battery Chargers & Maintainers

Developed using GS Yuasa's world leading battery manufacturing expertise to extend battery life, maintain performance and provide ultimate reliability.

- Fully automatic 7 (YCX1.5) or 9 (YCX6) stage charging & maintenance process refined by GS Yuasa engineers for unrivalled battery care
- Charges batteries faster thanks to a higher power output than comparable models
- Optimum charging performance for all battery types, including lithium
- Enhanced safety features, including short circuit, overcharging & reverse polarity protection\* for ultimate peace of mind
- Detects & communicates charging faults caused by battery problems
- Self-activating maintenance mode sustains optimum state of charge during battery storage
- Automatic battery diagnosis with patented rejuvenation phase to break down sulphation, a common cause of premature battery failure
- Robust integrated clamp & eyelet connectors can be permanently fitted for simple plug & play connection
- Automatic maintenance with power saving ECO mode sustains optimum state of charge during battery storage.

Explore the range at [www.yuasa.com/YCX](http://www.yuasa.com/YCX)

## YCX 1.5 6/12 Volt 1.5 Amp

 Charge up to **30Ah**

 Maintain up to **120Ah**



## YCX 6 12 Volt 6 Amp, 4A & 1A

 Charge up to **120Ah**

 Maintain up to **180Ah**



\*Power supply mode does not offer reverse polarity protection.

**Motorcycle and powersport manufacturers demand the best so overwhelmingly choose Yuasa batteries. With over a century's development, every battery provides the same high performance, quality and reliability as the factory fitted OE original.**

GS Yuasa are an original equipment supplier to the world's leading motorcycle and powersport manufacturers, including: Aprilia, BMW, Ducati, Harley-Davidson, Honda, Kawasaki, KTM, Moto Guzzi, MV Augusta, Piaggio, Suzuki, Triumph, Vespa, Yamaha, Artic Cat, Bombardier Sea-Doo, Bombardier Ski-Doo, BRP Rotax and Polaris.



### **All Yuasa motorcycle and powersport batteries offer:**

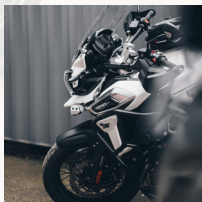
- Up to four times longer life than competitors' equivalent product
- Genuine high-performance, developed to meet motorcycle manufacturers' custom requirements
- Sulfate Stop additive to protect against undercharging damage.

### **In addition to this, Yuasa High Performance Maintenance Free AGM batteries offer:**

- Premium AGM technology with no free acid
- Fully maintenance free - never add water, but periodic charging is required when not in use
- Sealed, spill-proof design with multi-angle fitment.







# Range overview



|                                       | GYZ® High Performance MF AGM |
|---------------------------------------|------------------------------|
| Factory activated                     | ✓                            |
| Dry-charged, with acid pack           |                              |
| Dry-charged, no acid pack             |                              |
| Maintenance free design               | ✓                            |
| Low maintenance design                |                              |
| Lead-Calcium technology               | ✓                            |
| Lead-Antimonial technology            |                              |
| Expanded plate grid design            |                              |
| Radial plate grid design              |                              |
| Cast plate grid design                | ✓                            |
| Extra battery plates                  |                              |
| Taller plates                         | ✓                            |
| VRLA batteries                        | ✓                            |
| Advanced AGM separator                | ✓                            |
| Polyethylene separator with glass mat |                              |
| Flame arrestor                        | ✓                            |
| Through partition construction        | ✓                            |
| Polypropylene case                    | ✓                            |
| Thermal bonded plastic                | ✓                            |
| Patented poly-seal terminal           | ✓                            |
| Mounting angle                        | Moderate                     |

| YTZ® High Performance MF AGM | YTX® & YIX High Performance MF AGM | YTX® & YT Maintenance Free AGM | YuMicron® | 6V & 12V Conventional |
|------------------------------|------------------------------------|--------------------------------|-----------|-----------------------|
| ✓                            | ✓                                  | ✓                              |           |                       |
|                              | ✓                                  | ✓                              | ✓         | ✓                     |
| ✓                            |                                    |                                | ✓         | ✓                     |
|                              | ✓                                  | ✓                              |           |                       |
| ✓                            |                                    |                                | ✓         | ✓                     |
|                              | ✓                                  | ✓                              |           |                       |
| ✓                            |                                    |                                | ✓         | ✓                     |
|                              |                                    |                                |           |                       |
|                              | ✓                                  | ✓                              |           |                       |
|                              | ✓                                  | ✓                              | ✓         | ✓                     |
|                              |                                    |                                | ✓         | ✓                     |
| ✓                            |                                    |                                |           |                       |
| ✓                            | ✓                                  | ✓                              |           |                       |
|                              | ✓                                  | ✓                              |           |                       |
|                              |                                    |                                | ✓         | ✓                     |
| ✓                            | ✓                                  | ✓                              |           |                       |
| ✓                            | ✓                                  | ✓                              | ✓         | ✓                     |
| ✓                            | ✓                                  | ✓                              | ✓         | ✓                     |
| ✓                            | ✓                                  | ✓                              | ✓         | ✓                     |
| ✓                            | ✓                                  | ✓                              | ✓         | ✓                     |
| ✓                            | ✓                                  | ✓                              | ✓         | ✓                     |
| Extreme                      | Moderate                           | Moderate                       | Vertical  | Vertical              |

# Features & benefits



## Feature

Factory activated

Dry-charged, with acid pack

Dry-charged, no acid pack

Maintenance free design

Low maintenance design

Lead-Calcium technology

Lead-Antimonial technology

Expanded plate grid design

Radial plate grid design

Cast plate grid design

Extra battery plates

Taller plates

VRLA (Valve Regulate Lead-Acid) battery

Advanced AGM separator

Polyethylene separator with glass mat

Flame arrestor

Through partition construction

Polypropylene case

Thermal bonded plastic

Patented poly-seal terminal

Mounting angle



## Benefit

Filled, sealed and charged at the factory, these batteries are maintenance free and do not require filling before installation.

Indefinite shelf life until activation. Acid pack provided for increased convenience.

Indefinite shelf life until activation.

Once activated these batteries do not require refilling and remain maintenance free for life.

Water can be replenished to extend battery life.

Delivers improved CCA, reduced water loss and self-discharge.

Longer life, charge acceptance and improved corrosion resistance.

Superior cranking performance and rechargeability.

Increased conductivity for higher starting power and superior vibration resistance.

Severe vibration resistance and improved conductivity.

Additional plates for increased power.

Extra surface for increased power.

Valve relieves excess pressure to prevent bursting. Once activated these batteries do not require refilling and remain maintenance free for the life of the battery.

Absorbs the acid while creating cell compression for extreme vibration resistance.

Constrain the paste into the plate for improved durability and longer life.

Flame arrestor prevents sparks entering the battery, reducing the risk of an explosion.

Shorter current path for increased electrical conductivity and higher starting currents, heavier parts for maximum durability.

Superior resistance to gasoline and oil, impact resistant in extreme weather conditions.

Air tight seal to prevent air ingress and acid seepage.

Eliminates acid seepage, reduces corrosion.

Extreme mounting angle capability ensures coverage for a wide range of applications.

# GYZ<sup>®</sup> High Performance Maintenance Free AGM

For the high power needed to satisfy the performance requirements and durability demanded by power-hungry touring bikes, look to Yuasa GYZ<sup>®</sup> High Performance Maintenance Free 12V Absorbent Glass Mat (AGM) batteries.

This range of premium quality, heavy duty AGM batteries are precision engineered from premium materials to deliver exactly what enthusiasts want: maximum starting power, superior performance and longer life! They also provide exceptional vibration and impact resistance, proven reliability and reduced self-discharge, for up to four times longer life.

- Highest CCA ratings available for exceptional starting power
- Maximum capacity to power multiple accessories
- Heavy-duty flush terminals with built-in brass nuts for multiple connections
- Exceptional resistance to vibration & corrosion
- Range features 6 batteries.



All the benefits of Yuasa High Performance Maintenance Free batteries. See page eight for details.





# YTZ® High Performance Maintenance Free AGM

If maximum power from minimum space and extreme angle fitment are required for your high performance motorcycle, jet ski, ATV or other powersport vehicle, then you need Yuasa YTZ® High Performance Maintenance Free batteries. These compact, lightweight 12V Absorbent Glass Mat batteries deliver greater starting power from a more volume efficient unit.

- Maximum power from minimum space – up to 30% more CCA than standard AGM batteries despite being lighter & more compact
- Can be mounted at extreme angles with no risk of leakage
- Ideal for sport bikes & also motorcycles with a Start - Stop system
- Brass terminals for improved conductivity & optimised performance
- Exceptional resistance to vibration & corrosion
- Constructed with high purity lead
- Range features 12 batteries with combi pack & wet charged options available.



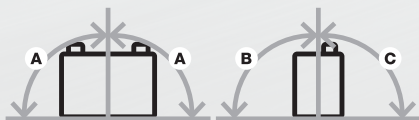
All the benefits of Yuasa High Performance Maintenance Free batteries. See page eight for details.







Because of their unique spill proof design, Yuasa YTZ batteries can be installed under multiple mounting angles: Note: the angles mentioned show the allowance from the centre position of the battery and are evaluated by up and down single vibration only.



| A   | B   | C   |
|-----|-----|-----|
| 40° | 90° | 15° |



# YTX® & YIX High Performance Maintenance Free AGM

A range of high performance 12V Absorbent Glass Mat (AGM) VRLA batteries, incorporating extra plates with a specialist design for increased cranking amps, less maintenance and longer life.

- Increased cranking power – up to 30% more CCA than standard AGM batteries
- High resistance to vibration & corrosion
- Selected models supplied filled & ready to fit
- Ranges feature 14 batteries with combi pack & wet charged options available.



All the benefits of Yuasa High Performance Maintenance Free batteries. See page eight for details.







# YTX®, YT & YTB Maintenance Free AGM

Yuasa YTX, YT and YTB Absorbent Glass Mat (AGM) batteries are ideal for motorcycles, scooters, ATVs, ride on mowers and personal watercraft. Engineered from premium materials, these batteries offer more power, longer life and are permanently sealed so they do not require topping up. Aside from periodic charging, they remain maintenance free for the entire life of the battery.

- Increased cranking power – up to 30% more CCA than conventional type batteries
- Superior resistance to vibration & corrosion
- Fully maintenance free once activated
- Premium AGM technology with no free acid
- Sealed & spill-proof design
- Selected models supplied filled & ready to fit
- Up to four times longer life than competitors' equivalent product
- Sulfate Stop additive to protect against undercharging damage
- Ranges feature 39 batteries with combi pack & wet charged options available.



All the benefits of Yuasa motorcycle and powersport batteries. See page eight for details.





# YuMicron® Conventional Batteries

Yuasa YuMicron Conventional batteries carry the unparalleled quality of any battery bearing the Yuasa name. Rugged and dependable, they are engineered to withstand vibration and have a unique power boosting design for reliable cranking power.

With reduced maintenance and longer life, they are designed to meet the demands of personal watercraft, snowmobiles, ATVs and touring bikes.

- High cranking power – constructed with special thin plate separators
- Low maintenance, water loss & self-discharge with easy access vent plug design
- Heavy-duty glass mat technology for high vibration resistance
- Heat sealed case to protect against seepage & corrosion
- Up to four times longer life than competitors' equivalent product
- Genuine high-performance OE battery developed to meet motorcycle manufacturers' custom requirements
- Sulfate Stop additive to protect against undercharging damage
- Range features 91 batteries with dry charged & combi pack options available.



All the benefits of Yuasa motorcycle and powersport batteries. See page eight for details.



# 6V & 12V Conventional Batteries

Simple and efficient, Yuasa 6V and 12V conventional VRLA batteries carry the unparalleled quality of any battery bearing the Yuasa name. Rugged and dependable, they are engineered to withstand vibration and deliver reliable cranking power.

These batteries are manufactured from the highest quality materials and have been specially developed for use in the widest range of motorcycle and powersport applications including bikes, motorcycles, jet skis, ATVs, snowmobiles and even lawnmowers.

- Constructed with special thin plate polyethylene separators for high cranking power
- Engineered to protect against corrosion & vibration damage
- Easy access vent plug design for maintenance
- Up to four times longer life than competitors' equivalent product
- Genuine high-performance OE battery developed to meet motorcycle manufacturers' custom requirements
- Sulfate Stop additive to protect against undercharging damage
- Ranges feature 74 batteries with dry charged & combi pack options available.



All the benefits of Yuasa motorcycle and powersport batteries. See page eight for details.











**YTX<sup>®</sup> YTZ<sup>®</sup> GYZ<sup>®</sup>**

## **The original powersport battery part numbers**

As the original motorcycle battery manufacturer, the part numbers YTX<sup>®</sup>, YTZ<sup>®</sup> and GYZ<sup>®</sup> are registered trademarks of GS Yuasa International Ltd. They should only ever be used on genuine Yuasa or GS batteries.

Because GS Yuasa have been OE supplier to all major motorcycle manufacturers, and the worldwide market leader for decades, these references have become the industry standard. They are often used by other manufacturers and resellers in breach of GS Yuasa's trademark.

# GYTV

by **GS YUASA**

GYTV by GS Yuasa gives you expert battery advice, with easy to understand and informative videos. It empowers you with all the knowledge you need to look after your battery better and avoid the inconvenience of unexpected battery failure.

Q GYTV



- Q Extending the life of your motorcycle battery: Tips and tricks - GYTV
- Q Maintaining your motorcycle battery: The importance of charging - GYTV
- Q Why motorcycle batteries fail: GS Yuasa motorcycle battery warranty - GYTV
- Q Understanding motorcycle battery ratings - GYTV
- Q GS Yuasa: The world's leading manufacturer of motorcycle batteries - GYTV
- Q Choosing the right motorcycle battery: A guide from GS Yuasa - GYTV
- Q Understanding the changes in motorcycle battery activation & maintenance - GYTV
- Q Motorcycle battery construction - GYTV
- Q Yuasa YCX smart chargers and maintainers explained - GYTV
- Q A guide to topping up and maintaining battery electrolyte levels - GYTV

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I'm Feeling Lucky



YouTube



# Yuasa bike batteries at a glance

Motorcycle manufacturers demand the best so overwhelmingly choose Yuasa batteries. With over a century's development, every battery provides the same high performance, quality and reliability as the factory fitted OE original.

|                             | GYZ® | YTZ® | YTX® | YIX | YT | YTB | YuMicron® | 6V Conventional | 12V Conventional |
|-----------------------------|------|------|------|-----|----|-----|-----------|-----------------|------------------|
| Factory activated           | ✓    | ✓    | ✓    | ✓   | ✓  | ✓   |           |                 |                  |
| Maintenance free design     | ✓    | ✓    | ✓    | ✓   | ✓  | ✓   |           |                 |                  |
| Low maintenance design      |      |      |      |     |    |     | ✓         | ✓               | ✓                |
| Advanced AGM separator      | ✓    | ✓    | ✓    | ✓   | ✓  | ✓   |           |                 |                  |
| Sulfate Stop additive       | ✓    | ✓    | ✓    | ✓   | ✓  | ✓   | ✓         | ✓               | ✓                |
| Flame arrestor              | ✓    | ✓    | ✓    | ✓   | ✓  | ✓   |           |                 |                  |
| Patented poly-seal terminal | ✓    | ✓    | ✓    | ✓   | ✓  | ✓   | ✓         | ✓               | ✓                |



Only Yuasa motorcycle batteries feature Sulfate Stop. This patented chemical formula drastically reduces sulfation, a leading cause of premature battery failure, to significantly prolong battery service life.

