

Century EVERRIDE

POWERSPORTS BATTERIES

ON-ROAD | ON-TRACK | ON-WATER



Century EVERRIDE

POWERSPORTS BATTERIES

For more information on the Century EverRide Powersports range, please contact your Century Yuasa representative:

Australia - 1300 362 287 or via email info@cyb.com.au

New Zealand - 0800 93 93 93 or via email info@cyb.co.nz

Century Yuasa Batteries Pty Ltd has included data in this brochure from both external supplier specification sheets as well as internal sources. Although the company believes these sources to be generally reliable, corroboration for some of the data has been either impossible or impractical to obtain. The company believes that the data presented is generally accurate for the purpose for which it is presented, however expressly disclaims any representation or warranty, expressed or implied, concerning the data, and in no event shall be liable for loss or damage claimed to have arisen as a result of this guide.

**PRODUCT
RANGE
BROCHURE**



ON-ROAD | ON-TRACK | ON-WATER

The Century EverRide range includes a comprehensive selection of advanced sealed maintenance free AGM (Absorbed Glass Mat) and low maintenance batteries designed and manufactured by one of the world's leading battery manufacturers to provide superior starting power, longer life and dependable performance in a range of applications, including motorcycles, sports bikes, scooters, ATV's, utility vehicles, snowmobiles and personal watercraft.



Century
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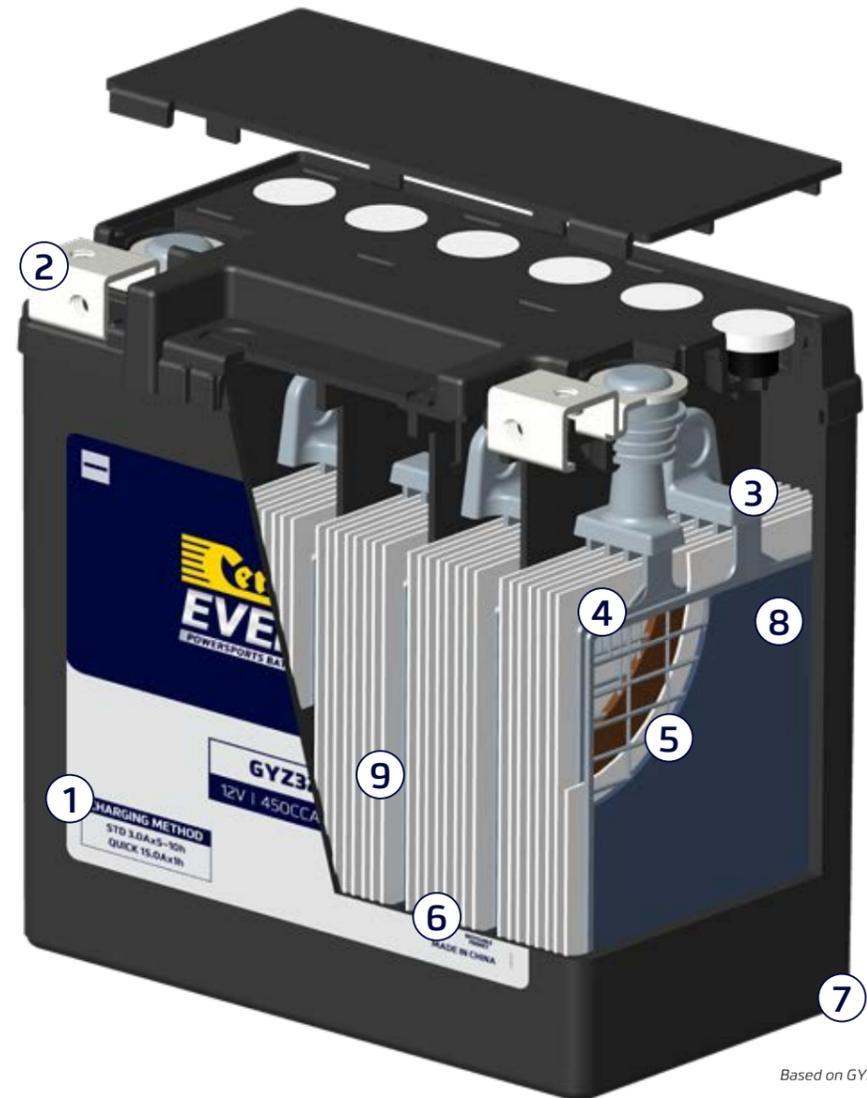
Your Complete Power Solutions Provider

At Century Batteries we are proud to be Australia & New Zealand's oldest and most recognised battery supplier, with a history of manufacturing and supplying batteries throughout Australasia since 1928. For over 95 years our commitment to new product development and innovation has ensured our product range continues to set new standards in design and performance. Today we pride ourselves in offering our customers a range of market leading products and sustainable energy solutions.

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The EverRide Difference



Based on GYZ32HL battery.

- | | |
|--|--|
| <p>1 Polypropylene Case
Chemical & weather resistant case material which is lightweight and durable</p> <p>2 Heavy Duty Brass Silver Terminal
Superior electrical conductivity for increased starting power</p> <p>3 Through Partition Construction
Provides shorter current path with less resistance, resulting in more cranking power</p> <p>4 Thicker Plates
Increased capacity, cycling and improved overall performance in high load situations</p> <p>5 Special Grid Design
Exceptional vibration and impact resistance and maximises conductivity</p> | <p>6 Absorbed Glass Mat (AGM) Separators
Improves electrolyte retention, increases vibration resistance and reduces stratification</p> <p>7 VRLA
Spill proof and able to accommodate multi-angle fitment[^]</p> <p>8 Cast Radial Plate Design
Larger surface area for more improved electrical performance</p> <p>9 Sulphation Retardant Technology
Sulphation reducing additive that reduces the build-up of sulphate crystals on the battery plate's to maximise battery life</p> |
|--|--|

[^]Conditions apply, refer to individual product pages.



Peace of Mind

Century EverRide Powersports batteries have been subjected to stringent testing by Century Yuasa's team of in-house specialists and a third-party to ensure superior performance, quality, safety and maintain our reputation as a leading supplier of stored energy solutions.

In addition, to ensure reliable performance in some of the harshest conditions Century EverRide batteries have been subjected to sustained 7G vibration testing without any loss in performance or damage to internal components or casing.

During tests Century EverRide batteries exceeded the performance requirements of International standard (JISD5302). The minimum cycle requirement stipulates 225 cycles, however Century EverRide batteries delivered in excess of 400 cycles. Century EverRide batteries were discharged to 30% DOD and cycled over 400 times at 45°C with no loss of performance.



SRT – Sulphation Retardant Technology

When batteries are left in a discharged state for long periods, a crystal-like material forms in the active material of the battery plates causing resistance to conductivity. Once this occurs batteries prove extremely difficult, if not impossible to re-charge.

To combat this all EverRide products have been developed with SRT, a sulphation reducing additive which is added during the manufacturing process. This additive is a special formula that significantly reduces the build-up of sulphate crystals on the battery plate's surface to combat the effects of sulphation and help maximise battery life.

Range features & benefits

Century EverRide Powersports batteries are designed and manufactured by one of the world's leading battery manufacturers to provide superior power and dependable performance.

Incorporating industry leading design features and manufactured using specialist hard wearing internal components, Century EverRide Powersports are precision engineered to deliver superior starting power, longer life and exceptional vibration resistance.



Feature	Benefit
Radial Plate Grid Design	Improved electrical & cranking performance
Rectangular Grid Design	Space efficient & improved heat dissipation
Cast Grid Plate Design	Increased strength, durability & cranking
Lead Calcium Technology	Reduces fluid loss, gassing & lowers self-discharge
Lead Antimonial Cast Plates	Higher charge acceptance & extended life
Modified Polypropylene Case	Chemical & weather resistant case material which is lightweight and durable
Brass Silver Terminals	Provides superior electrical conductivity
Advanced AGM Separator	Improves electrolyte retention & vibration resistance
Polyethylene Separators with Added Glass Mat	Improves electrolyte retention, increases vibration resistance and reduces stratification
Through Partition Construction	Shorter current path for increased electrical conductivity and higher starting currents, heavier parts for maximum durability
Flame Arrestor	Flame arrestor prevents sparks entering the battery, reducing the risk of an explosion
Factory Activated	Filled, sealed and charged at the factory, these batteries are maintenance free and do not require filling before installation
Dry Charged	Extended shelf life until activation
VRLA Technology	Spill proof and able to accommodate multi-angle fitment
Sulphation Retardant Technology (SRT)	Sulphation reducing additive that significantly reduces the build-up of sulphate crystals on the battery plate's and helps maximise battery life
Thermal Bonded Lid	Air tight seal to prevent air ingress & acid seepage

Heavy Duty AGM	Hi Performance AGM - YTX	Hi Performance AGM - YTZ	Maintenance Free AGM	Conventional
✓				
	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	
				✓
✓	✓	✓	✓	✓
✓				
✓	✓	✓	✓	
	✓			✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓

Based on GYZ32HL

Based on YTX14AH-BS

Based on YTZ7S

Based on YTX9-BS

Based on YB16CL-B

Cross Reference Chart

The following cross reference chart provides an understanding of the upgrade options available across the Century EverRide powersports range. Please note care should be taken to ensure terminal types, fitment angles and charging compatibility when cross referencing products.

Heavy Duty AGM	Hi Performance AGM - YTX	Hi Performance AGM - YTZ	Maintenance Free AGM	Conventional 12V	
GYZ16H	YTX14H-BS		YTX14-BS		
GYZ16HL			YTX14L-BS^		
GYZ20L	YTX20HL-BS		YTX20L-BS	YB16HL-A-CX^	
GYZ20L	YTX20HL-BS		YTX20L-BS	YB16L-B^	
GYZ20L	YTX20HL-BS		YTX20L-BS	YB18L-A^	
GYZ20H			YTX20-BS	YB16-B-CX^	YB16-B^
GYZ20HL	YTX20HL-BS		YTX20L-BS	YB16HL-A-CX^	
GYZ20HL	YTX20HL-BS		YTX20L-BS	YB16L-B^	
GYZ20HL	YTX20HL-BS		YTX20L-BS	YB18L-A^	
GYZ32HL	YIX30L			YB30CL-B	
GYZ32HL	YIX30L			YB30L-B^	
	YTX14AHL-BS			YB14L-A2	12N14-3A^
	YTX14AHL-BS			YB14L-B2^	
	YTX14AH-BS			YB14-A2	
	YTX14AH-BS			YB14A-A2	
	YTX20HL-BS		YTX20L-BS		
	YTX20HL-BS-PW			YB16CL-B	
	YTX24HL-BS			Y50-N18L-A-CX^	
	YTX24HL-BS			Y50-N18L-A3^	
	YIX30L			YB30CL-B	
	YIX30L			53030^	
		YTZ12S	YT12A-BS^		
			YTX4L-BS	YB4L-A^	YB4L-B^
				YB9-B	12N9-4B-1^
				YB12A-A	12N12A-4A-1^
				YB14L-A2	12N14-3A^

^Yuasa battery.

Terminal Configuration

When it comes to battery terminals, understanding their shapes is essential for proper replacement. Different vehicles use various terminal types, identifying the correct terminal configuration ensures a secure and efficient connection for the application.

TERMINAL	BATTERY TYPE	FRONT (mm)	SIDE (mm)	TOP (mm)
A	GYZ20L, YTZ7S, YTZ7V, YTZ10S, YTZ12S, YTZ14S, YTX14AH-BS, YTX14AHL-BS, YTX14H-BS, YTX20HL-BS, YTX20HL-BS-PW, YTX24HL-BS, YIX30L, YTX4L-BS, YTX5L-BS, YT7B-BS, YTX7A-BS, YTX7L-BS, YTX9-BS, YT12A-BS, YT12B-BS, YTX12-BS, YTX14-BS, YTX16-BS, YTX20-BS, YTX20L-BS, YB16CL-B, YB30CL-B			
B	YB9-B, YB12A-A, B38-6A			
D	YB10L-A2, YB14-A2, YB14A-A2, YB14L-A2			
J	YT4B-BS			
N	GYZ16H, GYZ16HL, GYZ20H, GYZ20HL, GYZ32HL			



Heavy Duty AGM

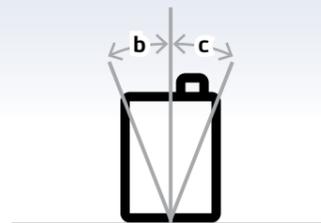
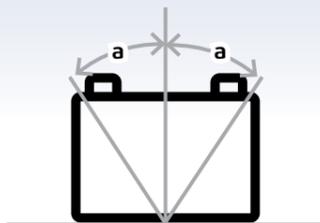
A range of premium quality, Heavy Duty batteries designed to satisfy the requirements of power hungry, accessory laden touring bikes with high electrical & starting demands, including V-Twin machines.

- Cast radial plates for improved electrical & cranking performance
- Heavy duty brass silver terminals provide superior electrical conductivity
- Exceptional vibration & impact resistance
- Advanced AGM separator improves electrolyte retention & vibration resistance
- High AH ratings for applications with power hungry accessories
- Supplied factory activated, ready to use
- VRLA spill proof design – multi-angle fitment (up to 30°)

ITEM ID	BATTERY TYPE	VOLTAGE	CCA @ -18°C	AH @ 10HR	BATTERY DIMENSIONS (all measurements in mm)			TERMINAL	WEIGHT (KG)	MOUNTING ANGLES			ASSEMBLY DIAGRAM
					L	W	H			a°	b°	c°	
HEAVY DUTY AGM													
151110	GYZ16H	12	210	13	150	88.5	145	N	4.55	30	20	20	
151111	GYZ16HL	12	210	13	150	88.5	145	N	4.55	30	20	20	
151112	GYZ20L	12	250	18	175	87	155	A	5.91	30	20	20	
151113	GYZ20H	12	320	18	176	89	154	N	6.55	30	20	20	
151114	GYZ20HL	12	320	18	176	89	154	N	6.55	30	20	20	
151115	GYZ32HL	12	450	30	170	132.5	175	N	9.90	30	20	20	

HEAVY DUTY AGM MOUNTING ANGLES

Because of their unique spill proof design, Century EverRide Heavy Duty AGM batteries can be installed under multiple mounting angles as explained below:



BATTERY SERIES	MOUNTING ANGLE		
	a°	b°	c°
Heavy Duty AGM Series	30	20	20

Note: The angles mentioned (above) show the allowance from the centre position of the battery and are evaluated by up & down single vibration only.

Hi Performance AGM - YTX

A range of High Performance batteries designed to deliver increased cranking performance for power hungry machines. Maintenance Free once activated, the range satisfies the performance requirements of heavy duty, high cranking machines.

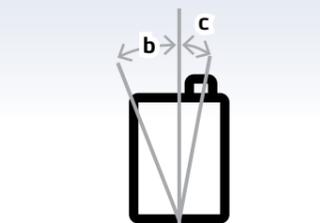
- Heavy duty cast grid plates for improved strength, durability and cranking
- Lead Calcium Technology reduces fluid loss, gassing & lowers self-discharge
- Advanced AGM separator improves electrolyte retention & vibration resistance
- Exceptional vibration & impact resistance
- Supplied dry charged with integrated acid pack for extended shelf life
- VRLA spill proof design – multi-angle fitment (up to 30°)



ITEM ID	BATTERY TYPE	VOLTAGE	CCA @ -18°C	AH @ 10HR	BATTERY DIMENSIONS (all measurements in mm)			TERMINAL	WEIGHT (KG)	MOUNTING ANGLES			ASSEMBLY DIAGRAM
					L	W	H			a°	b°	c°	
HI PERFORMANCE AGM - YTX													
151121	YTX14AH-BS	12	220	12	133	90	164	A	4.42	30	20	10	
151122	YTX14AHL-BS	12	220	12	133	90	164	A	4.42	30	20	10	
151123	YTX14H-BS	12	200	12	150	87	145	A	4.37	30	20	10	
151124	YTX20HL-BS	12	310	18	175	87	155	A	5.96	30	20	10	
151125	YTX20HL-BS-PW	12	310	18	175	87	175	A	6.02	30	20	10	
151126	YTX24HL-BS	12	330	21	205	87	162	A	6.99	30	20	10	
151127	YIX30L	12	400	30	166	126	173	A	9.48	30	20	10	

Hi PERFORMANCE AGM - YTX MOUNTING ANGLES

Because of their unique spill proof design, Century EverRide Hi Performance AGM - YTX batteries can be installed under multiple mounting angles as explained below:



BATTERY SERIES	MOUNTING ANGLE		
	a°	b°	c°
Hi Performance AGM - YTX Series	30	20	10

Note: The angles mentioned (above) show the allowance from the centre position of the battery and are evaluated by up & down single vibration only.



Hi Performance AGM - YTZ

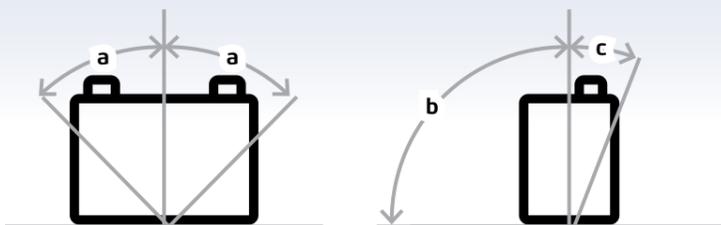
A range of High Performance compact and lightweight batteries designed to provide superior power to weight performance demanded from today's high-powered sports bikes.

- Advanced cast grid plates - maximum power from minimum space
- Smaller, tightly compressed plates with advanced AGM separators - high vibration resistance
- Lead Calcium Technology reduces fluid loss, gassing & lowers self-discharge
- Superior vibration & impact resistance
- Supplied factory activated, ready to use
- VRLA spill proof design - multi-angle fitment (up to 90°)

ITEM ID	BATTERY TYPE	VOLTAGE	CCA @ -18°C	AH @ 10HR	BATTERY DIMENSIONS (all measurements in mm)			TERMINAL	WEIGHT (KG)	MOUNTING ANGLES			ASSEMBLY DIAGRAM
					L	W	H			a°	b°	c°	
HI PERFORMANCE AGM - YTZ													
151116	YTZ7S	12	100	6	113	70	105	A	2.13	40	90	20	
151117	YTZ7V	12	105	6.5	113	70	121	A	2.34	40	90	20	
151118	YTZ10S	12	160	8.6	150	88	93	A	3.15	40	90	20	
151119	YTZ12S	12	210	11	150	88	110	A	3.81	30	20	20	
151120	YTZ14S	12	230	11.2	150	88	110	A	3.82	40	90	20	

Hi PERFORMANCE AGM - YTZ MOUNTING ANGLES

Because of their unique spill proof design, Century EverRide Hi Performance AGM - YTZ batteries can be installed under multiple mounting angles as explained below:



BATTERY SERIES	MOUNTING ANGLE		
	a°	b°	c°
Hi Performance AGM-YTZ Series	40	90	20

Note: The angles mentioned (above) show the allowance from the centre position of the battery and are evaluated by up & down single vibration only. YTZ12S mounting angle differs from the standard position observed in the rest of the range.

Maintenance Free AGM

A range of Sealed Maintenance Free AGM batteries designed for most modern bikes and machines fitted with advanced electronics and high-power demands.

- Advanced cast grid plates for increased strength, durability & cranking
- Specialist AGM separators for improved cycling & vibration resistance
- Lead Calcium Technology reduces fluid loss, gassing & lowers self-discharge
- Superior vibration & impact resistance
- Supplied factory activated, ready to use
- VRLA spill proof design - multi-angle fitment (up to 30°)

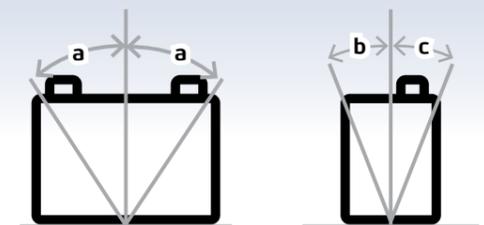


ITEM ID	BATTERY TYPE	VOLTAGE	CCA @ -18°C	AH @ 10HR	BATTERY DIMENSIONS (all measurements in mm)			TERMINAL	WEIGHT (KG)	MOUNTING ANGLES			ASSEMBLY DIAGRAM
					L	W	H			a°	b°	c°	
MAINTENANCE FREE AGM													
151128	YT4B-BS	12	30	2.3	113	38	85	J	0.91	30	20	10	
151129	YTX4L-BS	12	50	3	113	70	85	A	1.32	30	20	20	
151130	YTX5L-BS	12	80	4	113	70	105	A	1.90	30	20	20	
151131	YT7B-BS	12	90	6.5	150	66	93	A	2.30	30	20	20	
151132	YTX7A-BS	12	100	6	150	87	93	A	2.28	30	20	20	
151133	YTX7L-BS	12	100	6	113	70	130	A	2.31	30	20	20	
151134	YTX9-BS	12	125	8	150	87	105	A	3.18	30	20	20	
151135	YT12A-BS	12	145	10	150	88	105	A	3.29	30	20	20	
151136	YT12B-BS	12	165	10	150	70	130	A	3.59	30	20	20	
151137	YTX12-BS	12	180	11	150	87	130	A	4.18	30	20	20	
151138	YTX14-BS	12	180	12	150	87	145	A	4.31	30	20	20	
151139	YTX16-BS	12	230	14	150	87	161	A	5.02	30	20	20	
151140	YTX20-BS	12	270	18	175	87	155	A	5.93	30	20	20	
151141	YTX20L-BS	12	270	18	175	87	155	A	5.93	30	20	20	

MAINTENANCE FREE AGM MOUNTING ANGLES

Because of their unique spill proof design, Century EverRide Maintenance Free AGM batteries can be installed under multiple mounting angles as explained below:

BATTERY SERIES	MOUNTING ANGLE		
	a°	b°	c°
Maintenance Free AGM Series	30	20	20



Note: The angles mentioned (above) show the allowance from the centre position of the battery and are evaluated by up & down single vibration only.



Conventional

A range of Low Maintenance batteries designed to satisfy OE requirements and deliver dependable starting power and performance for older machines with smaller engines and limited electrical accessories.

- Cast grid plates for increased strength, durability & cranking
- Lead antimonial plates for higher charge acceptance & extended life
- Polyethylene separators improves corrosive resistance, durability & electrolyte retention
- Low Maintenance design for maximum control over life
- Supplied dry charged with integrated acid pack for extended shelf life
- Flooded technology – suitable for vertical fitment only

ITEM ID	BATTERY TYPE	VOLTAGE	CCA @ -18°C	AH @ 10HR	BATTERY DIMENSIONS (all measurements in mm)			TERMINAL	WEIGHT (KG)	ASSEMBLY DIAGRAM
					L	W	H			
CONVENTIONAL 12V										
150180	YB9-B	12	95	9	135	75	139	B	3.0	
150181	YB10L-A2	12	130	11	134	89	145	D	3.9	
150182	YB12A-A	12	150	12	134	81	160	B	4.2	
150183	YB14-A2	12	170	14	134	89	166	D	4.4	
150184	YB14A-A2	12	170	14	134	89	176	D	4.4	
150185	YB14L-A2	12	170	14	134	89	166	D	4.4	
150186	YB16CL-B	12	220	19	175	100	175	A	6.1	
150187	YB30CL-B	12	300	29	165	130	192	A	8.2	
CONVENTIONAL 6V										
150188	6N4B-2A	6	N/A	4	102	48	96	CONNECTOR	0.9	
150189	B38-6A	6	N/A	13	119	83	161	B	2.8	

Warranty Information

The Century EverRide range of powersports batteries are supplied with a warranty against defects for 18 months from the date of purchase when used in privately owned powersports machines.

If our testing determines the battery is defective we will replace it, however the costs of delivering it to the warranty location and collecting it and any replacement are yours. The claim must be made within the warranty period listed on top of the battery. Dated proof of purchase is required. The warranty period for replacement starts on the date of purchase of the defective battery it replaces. **Call 1300 361 161 in Australia or 0800 93 93 93 in New Zealand** to make a claim. This warranty does not cover defects due to normal wear, abuse, damage, neglect, over or under charging or incorrect application, installation or maintenance.

This warranty is in addition to other rights and remedies available at law. Our goods come with guarantees that cannot be excluded under the Australian and New Zealand Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

THIS WARRANTY DOES NOT COVER:

- ✗ A flat battery
- ✗ Normal wear and tear
- ✗ Physical damage
- ✗ Undercharging (sulphation)
- ✗ Incorrect application
- ✗ Negligence (before or during use)
- ✗ Overcharging
- ✗ Spillage from over filling
- ✗ Modifications to the battery
- ✗ Failure arising from the addition of fluids other than water
- ✗ Batteries used for professional motorsports

PRIVATE USE STATEMENT

Private use is a vehicle used for private needs, as opposed to business uses. These vehicles are not used to carry passengers or goods for monetary purposes.

Battery Activation

Prior to installation, Century EverRide dry charged batteries will need to be activated and a supplementary charge applied. If the battery is not fully charged prior to installation the performance and overall life of the battery may be impacted.

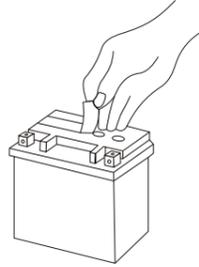
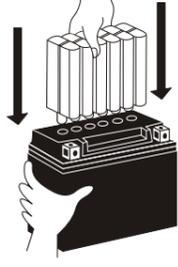
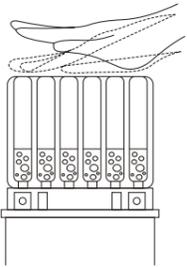
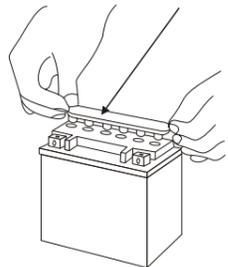
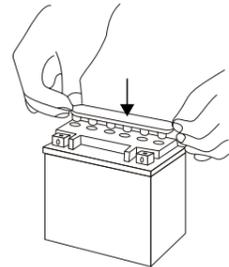
Never activate the battery on the vehicle as acid electrolyte spillage can cause serious damage. Always wear suitable eye, face, and hand protection as well as protective clothing. **Only use the acid electrolyte supplied with the battery as part of the activation process.**

MAINTENANCE FREE AGM BATTERIES (DRY CHARGED)

These batteries are supplied with an integrated acid pack and once activated are Maintenance Free. As such do not attempt to prise open or access the internal components of these batteries once attached.



SCAN THE QR CODE TO WATCH THE VIDEO ON HOW TO ACTIVATE A DRY CHARGED AGM BATTERY

<p>1. Remove foil strip which runs across the top of the battery filling reservoir.</p> 	<p>2. Carefully remove the black plastic strip from the electrolyte container</p> <p>IMPORTANT: Do not discard this strip as it acts as the battery sealing plug and is required later.</p> 	<p>3. Place electrolyte container, sealed top of the cells down, into the filler ports of the battery and push down to break the seals. Ensure the electrolyte container is kept in an upright position during this process.</p> 
<p>4. Ensure electrolyte container completely empties. If no air bubbles are coming from the filler ports or if the container cells haven't emptied, tap the container a few times. Please do not remove the electrolyte container until it is empty.</p> 	<p>5. Remove container and allow battery to stand for 20 minutes to allow the electrolyte to permeate into the plates.</p> <p>6. Loosely replace the cap strip (as referred to in step 2) over the filling holes. Do not press down firmly or lock this into position at this stage.</p> <p>7. Once the electrolyte has been initially filled, charge the battery: 0.1CA x (5-10) Hr or 0.5CA x (0.5-1) Hr.</p> 	<p>8. After charging, press the cap strip firmly into the cap seats. It will click when correctly in place. Do not pound or hammer into place.</p> <p>IMPORTANT: Never remove the cap strip or add water or electrolyte to the battery.</p> <p>IMPORTANT: Do not dispose of left over acid down drains or sinks. Consult your Landlord or Local government regarding preferred disposal method.</p> 

Charging current C refers to the rated capacity (Ah) of the battery, such as 12V 20Ah, 0.1CA = 20Ah * 0.1 = 2A.

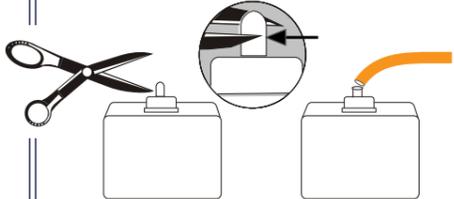
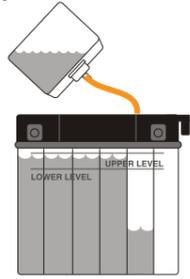
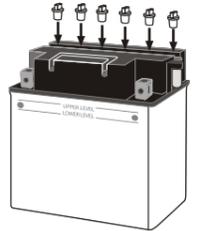


LOW MAINTENANCE BATTERIES (DRY CHARGED FLOODED)

These batteries are Dry Charged and once activated become a low maintenance battery that can be topped up with demineralised or distilled water to maximise the life of the battery.



SCAN THE QR CODE TO WATCH THE VIDEO ON HOW TO ACTIVATE A DRY CHARGED MAINTAINABLE BATTERY

<p>1. Remove red sealing tube (red cap) and discard. Do NOT put this cap back on after the battery has been filled with electrolyte.</p> 	<p>2. Remove filling plugs located on battery top. And connect transparent exhaust pipe to the battery exhaust nozzle.</p> 	<p>3. Remove electrolyte bottle, cut the tip of the cap in half, and connect one end of the orange tube to the cap and the other end of the orange tube to one of the battery cell holes as shown.</p> 
<p>4. Tilt the electrolyte bottle to fill each individual cell to UPPER FILL level. Do not use water or any other liquid to activate the battery.</p> 	<p>5. Allow battery to stand for 20 minutes. Gently tap and or move the battery during this time to expel any air bubbles. If after 20 minutes the electrolyte levels have fallen in any of the cell, top up to the UPPER FILL level.</p> 	<p>6. Loosely replace refilling plugs to avoid electrolyte spitting while charging.</p> 
<p>7. Prior to installation the battery should be completely charged. Once the electrolyte has been initially filled, charge the battery: 0.1CA x (5-10) Hr OR 0.5CA x (0.5-1) Hr.</p>	<p>8. During initial charging, check to see if electrolyte level has fallen. If yes, fill with electrolyte to UPPER FILL level and charge for another hour at the same rate as outlined in step 7.</p>	<p>9. Replace and hand tighten filling plugs.</p> <p>10. Wash any spilt acid with water and baking soda solution.</p> <p>IMPORTANT: Do not dispose of left over acid down drains or sinks. Consult your Landlord or Local government regarding preferred disposal method.</p>

Charging current C refers to the rated capacity (Ah) of the battery, such as 12V 20Ah, 0.1CA = 20Ah * 0.1 = 2A.



Charging

If the battery falls below 12.6V (12V) or 6.2V (6V) recharge the battery using a suitable charger with a current equal to 10-20% of the batteries Ah rating, ensuring correct technology type is selected on the charger.

The battery can be recharged by constant voltage, limited current charging and constant current charging. It is recommended to use constant voltage current limiting charging and avoid constant current charging as far as possible.

Always recharge the battery in a well-ventilated area, wear suitable hand and eye protection and avoid exposure to naked flames or other sources of ignition.



MAINTENANCE FREE AGM BATTERIES

Constant current charging:

Constant current 0.1CA charge for 5~10h, or constant current 0.1CA charge to 14.4V/pc, and then charge with 0.1CA charge for 4h.

Constant voltage and current limiting charge:

12V battery: Constant voltage 14.4~14.7V current limiting 0.2CA charge for 8~10h

*Note: Charging current C refers to the rated capacity (Ah) of the battery, such as 12V 20Ah, 0.1CA = 20Ah * 0.1 = 2A.*

LOW MAINTENANCE BATTERIES

Constant current charging:

Constant current 0.1CA charge to 14.4V/pc (12V), 7.2V/pc (6V) and then charge with 0.1CA charge for 5h.

Constant voltage and current limiting charge:

12V battery: Constant voltage 14.4~14.7V current limiting 0.2CA charge for 10~15h

6V battery: Constant voltage 7.2V ~ 7.35V current limiting 0.2CA charge for 10~15h

After charging turn off charger and unplug the power supply. Remove from the battery and allow to stand for 30 minutes. Wipe away any fluids and or dirt from the surface of the battery and ensure battery terminals are clean, dry and free of corrosion.

Charging using Century Smart Chargers

Charge at a current setting equal to 10-20% of the battery's Ah rating ensuring the AGM/Flooded battery type mode is selected.

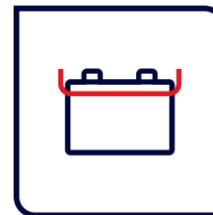
Battery Care & Maintenance

Regular testing and inspection will help to maximise the life of the battery. A routine inspection of at least once a month is recommended to maintain optimum performance.

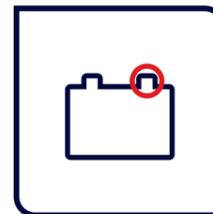
USE THE FOLLOWING STEPS AS A GUIDE:



1. Make sure the battery is always fully charged.

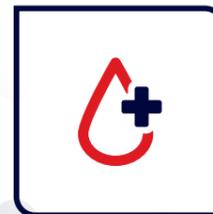


2. Ensure the battery top is clean, dry, and free of dirt and grime. A dirty battery can discharge across the grime on top of the battery casing.



3. Inspect battery terminals, screws, clamps and cables for breakage, damage, or loose connections. They should be tight, clean, and free of corrosion.

4. Clean terminals, clamps, and connectors as necessary using a grease cutting solution.



5. Inspect case for obvious signs of physical damage or warpage. This usually indicates the battery has overheated or been overcharged.

6. Check the vent tube is not kinked, pinched, or otherwise obstructed.

7. If you have a maintainable battery, it is important to check if the battery has sufficient electrolyte covering the battery plates. If topping up is required, do not overfill as the fluid levels will rise when the battery is fully charged and may overflow. Top up using distilled or demineralised water and never fill with sulphuric acid.

8. For batteries used in seasonal applications and stored long term, fully recharge the battery prior to storing.

9. Check the state of charge or voltage regularly. Should the voltage drop below 12.6V for 12V batteries or 6.2V for 6V batteries, recharge the battery.

10. It is important to check the battery completely before reconnecting to electrical devices.



Battery Installation

Before attempting to remove and replace a battery, ensure vehicle ignition is switched off, wear suitable eye, face and hand protection as well as protective clothing. Make sure the area is well ventilated, avoid exposure to naked flames and other sources of ignition.

Prior to installation ensure the battery has been activated (refer to page 18-19) and fully charged in line with the guidelines outlined on page 20.

THE FOLLOWING STEPS SHOULD BE FOLLOWED WHEN INSTALLING A NEW BATTERY:

- Check the battery case for any signs of cracks, breaks, electrolyte leaks, warping or other abnormalities.
- Check battery open circuit voltage. For 12V batteries if battery is 12.6V or greater the battery can be installed into the vehicle, 6.2V for 6V batteries. If battery terminal voltage is less than this recharge according to the instructions outlined on page 20
- Remove old battery from vehicle by removing the Negative (-) cable first followed by the Positive cable (+) taking care to ensure the cables do not come into contact with each other.
- Place the new battery upright on the mounting bracket according to the mounting direction of the old battery positive and negative terminals.
- If there are fixtures, make sure the fixtures are pressed firmly and the battery securely installed.
- Connect the Positive (+) terminal cable first followed by the Negative (-) cable. Avoid connecting in reverse polarity as this can lead to damage to the battery and vehicles electrical system.
- Apply a small coating of high temperature grease to the posts and terminal cables.
- Ensure old battery is recycled responsibly.

Battery Recycling

At Century Yuasa we are committed to minimising our impact on the environment and believe that used lead acid batteries (ULAB's) should be recycled responsibly.

Why recycle?

98% of a lead acid battery can be reclaimed through recycling. The lead, plastic and acid components are re-processed and manufactured into an array of other products including guide posts, cabling and detergents.

- 1. SULFURIC ACID:** Sulfuric acid is converted to sodium sulfate to be used in the manufacture of glass, textiles, laundry detergents and fertilisers.

- 2. LEAD:** Battery plates, inter cell connectors and posts made from lead are melted down in a smelter furnace. The molten lead is then formed into ingots for re-use.

- 3. POLYPROPYLENE:** Battery containers and lids are chipped and sent for recycling into rubbish bins, plant pots etc.

The Century Yuasa ULAB Collection Service

Century Yuasa offers a comprehensive, easy-to-use ULAB collection service in conjunction with our approved recycling partner. Each battery collected is responsibly recycled using processes in line with the State and Federal legislation.

How it works

- Hassle free regular collection when you need it
- Compliant with State & Federal legislation
- Documentation certifying the disposal process of your ULAB's
- Traceable documentation through your account
- All batteries will be recycled responsibly and not reconditioned



Contact your Century Yuasa representative to discuss how your business can benefit from the Century Yuasa battery recycling program.