



# YUASA BATTERY



## PRODUCT RANGE BROCHURE

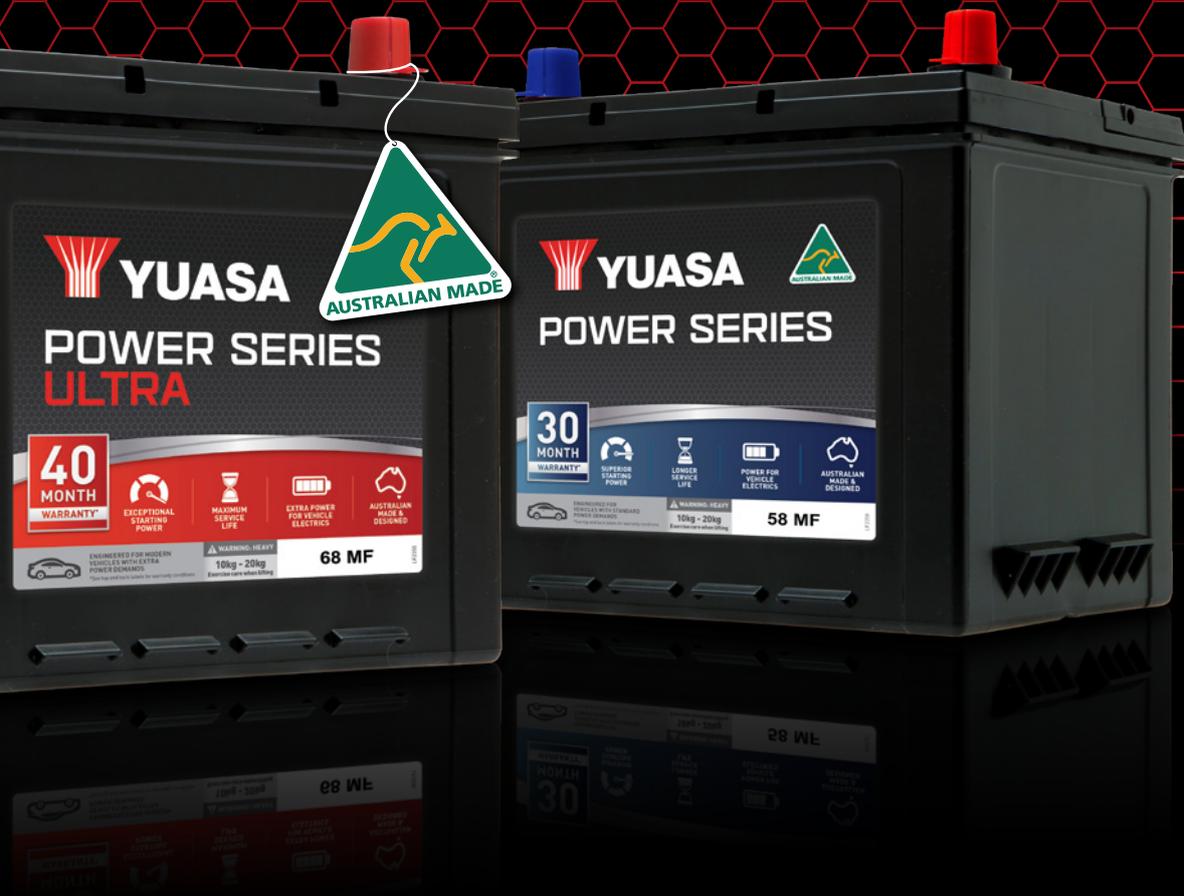
# PROUDLY AUST



Australia is a unique place, there's nowhere quite like it or like the people in it.

When it comes to our vehicles we push them hard and so does the Australian environment.

# AUSTRALIAN MADE



Driving to the beach in summer under the bonnet is pushing 80°C, a trip to the corner store can be a 15 minute drive – and the hill on the way home a vertical ascent. Our journeys take in the smoothest of roads and the roughest corrugated red sand. As Australians we need a battery that we can rely on to power our unique lifestyle.



**AUSTRALIAN MADE  
TECHNOLOGY,  
FOR THE AUSTRALIAN  
WAY OF LIFE**





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# Australia's oldest and **most recognised** **battery manufacturer**

Century Yuasa is Australia's oldest and most recognised battery manufacturer with a proud history of designing and manufacturing batteries in Australia since 1928. From these humble beginnings, we have evolved into Australasia's leading producer and supplier of stored energy solutions.

## A TRUE GLOBAL LEADER

Since its foundation in 1895, GS Yuasa has continually worked to create advanced stored energy solutions under the corporate vision of 'innovation and growth'. It's this philosophy that has seen GS Yuasa establish itself as the world's leading manufacturer of automotive and motorcycle batteries.

Our parent company GS Yuasa is one of the world's largest battery manufacturers and a global leader in quality and innovation.



## Proven Performance

GS Yuasa are original equipment (OE) suppliers to the world's leading vehicle manufacturers.

As an affiliate of the GS Yuasa Corporation, Yuasa has access to some of the most advanced technical and R&D resources available in the battery industry. This gives you the assurance that every battery in the Yuasa range has been developed using state-of-the-art manufacturing processes and technical expertise.

# The Yuasa Difference

Yuasa's range of sealed maintenance free batteries continue to build on our reputation for quality and innovation.



## 1 ROTARY PLATES

- Specialist advanced plate design provides longer service life and resistance to corrosion and material shedding.
- Lower internal resistance promoting higher CCA and improved vibration resistance.

## 2 ENHANCED PLATE PASTE

- Reduces water loss and improves charge acceptance for superior performance and cycle life.

## 3 SEPARATORS

- High Porosity Polyethylene Envelope (PE) separator improves puncture resistance and durability.
- Improves electrolyte dispersion for enhanced performance and power.

## 4 FLAME ARRESTOR

- The integrated flame arrestor in the central venting system protects the battery from explosion due to external ignition sources.

## 5 MUD RACK

- Mud rack container design improves plate support, vibration resistance and isolates paste deposits to prevent short circuits.

## 6 POLYPROPYLENE CASE

- Reinforced design provides durability to withstand shock and vibration.

## 7 CARRY HANDLE

- Ergonomic design provides a thicker grooved carry handle to improve comfort.
- Utilises fully constrained safety design with pivot pin moulded directly into the case.

## 8 STATE OF CHARGE INDICATOR

- For on the spot diagnosis of battery condition.

## 9 CAST ON STRAP

- Thicker cast on strap ensures durability and lower electrical resistance to promote longer life.

## 10 LABYRINTH LID TECHNOLOGY

- Provides spill proof protection up to 90°.
- Reduced water loss.

# Why you can rely on Yuasa Batteries as your complete power solutions provider



## Built for Australian Conditions

Yuasa Batteries are specially designed and built tough to satisfy the extreme demands of Australia's climate and rough operating conditions.



## Innovation and Technology

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



## Extensive Product Range

The Yuasa product range includes a comprehensive selection of technologically advanced products including starting, deep cycle, dual purpose and heavy duty batteries for use in a diverse range of applications.



## Nationwide Warranty

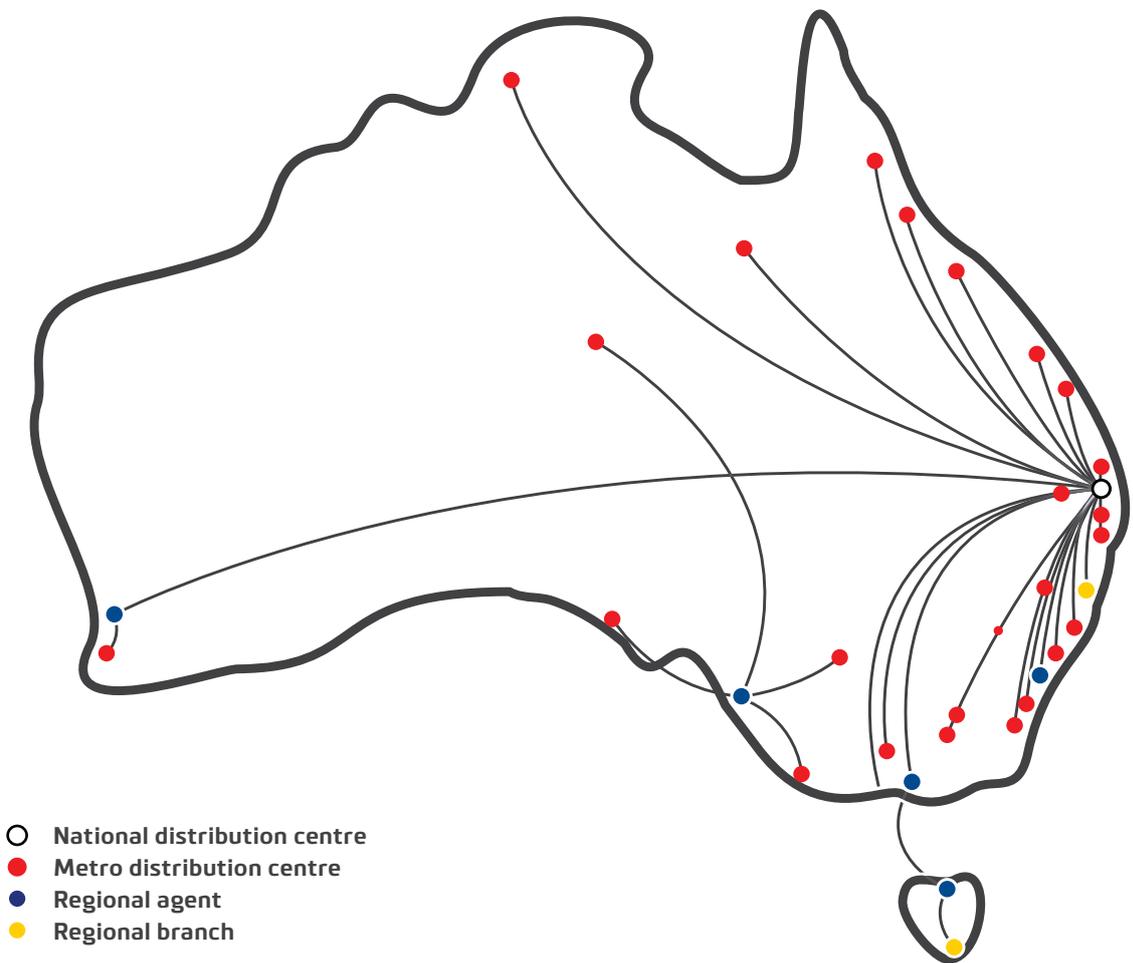
Each Yuasa battery is backed by a comprehensive warranty<sup>^</sup>. This provides peace of mind that your battery is covered against faulty materials or workmanship.



<sup>^</sup>Conditions apply. Refer to individual warranty statements attached to each product.

# Our Network

Our network of regional agents, metro distribution centres and state offices are strategically located across Australia ensuring access to locally held products and battery experts.



# Battery Ratings

Batteries are rated according to a range of specifications and standards. Understanding these ratings and their relevance to the battery's application and operating conditions is key to selecting the right battery.



## CCA

### *Cold Cranking Amperes*

This is a measurement of the current a fully charged battery can deliver for 30 seconds, whilst also maintaining a voltage of 7.2volts. This test is performed at a temperature of -18°C, and is used to determine a battery's ability to start the engine and maintain sufficient voltage to power the ignition requirements under severe cold starting conditions.

## MCA

### *Marine Cranking Amperes*

Similar to CCA, MCA is used to measure the current a marine battery can deliver for 30 seconds at a specific temperature.

MCA tests are conducted at 0°C (instead of -18°C) and the results are often 20 – 25% higher than the equivalent CCA rating. Because of this, it is important to always compare like for like, and never compare CCA to MCA, or vice-versa.

## AH

### *Ampere-Hour @ 20hr (Ah)*

Ah refers to the battery's storage capacity and is the current a fully charged battery will deliver over a 20 hour period before the voltage falls to 10.50V at 25°C.



Ignition,  
Lights, Radio,  
Air Conditioning,  
Electric Windows

## RC

### *Reserve Capacity*

An RC rating refers to the length of time (in minutes) that a battery can deliver a current of 25 amps until the voltage drops below 10.50 volts. This test is performed at 25°C, and represents a typical electrical load on a car under normal running conditions. Therefore, an RC rating is a good indication of how many minutes a vehicle will run for in the event of a charging system or alternator failure.

# How Important is CCA?

For many years, CCA (or Cold Cranking Amperes) has been widely used as a benchmark to measure and compare lead-acid batteries – with the assumption being the higher the CCA, the better the battery. As a result, some manufacturers produce batteries with excessively high CCA ratings to take advantage of this misconception. But there's no such thing as a free lunch, and it's the same story with batteries.

Lead acid batteries contain lead plates, wrapped in separators to insulate and prevent them from touching each other directly and creating a short circuit. A battery can be made to achieve a higher CCA rating by simply adding more of these plates to the battery internals. But in order to achieve this, both the lead plates and the separator material needs to be thinner – and this can have an impact on the strength and durability of these components.

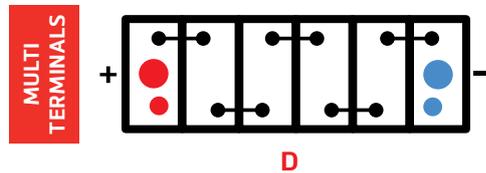
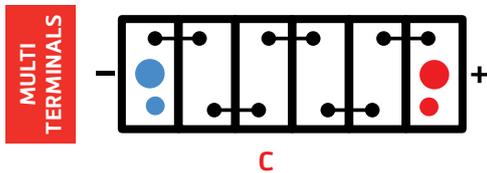
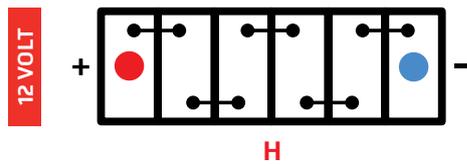
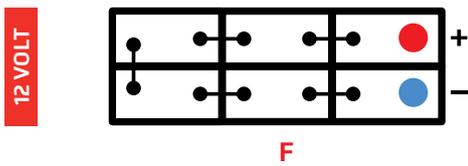
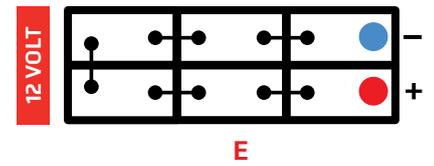
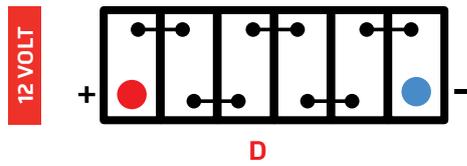
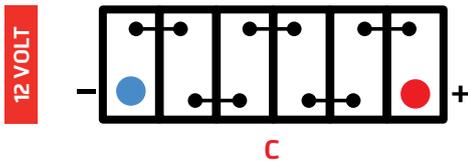
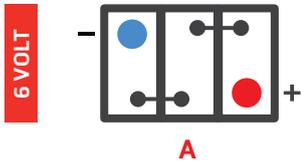
In colder climates, adding more plates and increasing the battery's CCA rating may be desirable. However, in hotter climates

like what we experience here in Australia, having thicker lead plates to combat corrosion and more robust separators are equally important as cranking capacity.

At Yuasa, we believe that it is far more important to strike a balance between CCA and providing a long service life. Our batteries feature expertly designed internal components and an extremely durable construction to combat the causes of battery failure and deliver what Australian motorists really want – longer life and superior performance.

So don't be misled by high CCA ratings – they aren't always better.

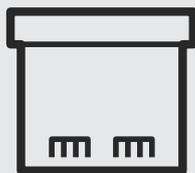
# Cell Assembly Layout



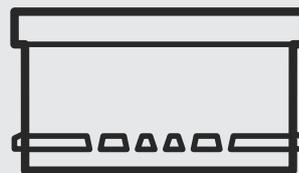
# Battery Hold-Down



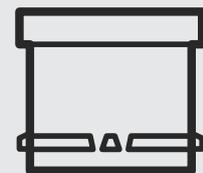
SIDE HOLD-DOWN



END HOLD-DOWN



DIN STYLE SIDE HOLD-DOWN



DIN STYLE END HOLD-DOWN

# Terminal Types



**STANDARD  
TERMINAL  
POST (STD)**



**SMALL  
TERMINAL  
POST (SP)**



**THREADED  
TERMINAL  
POST (TH)**



**STANDARD  
/ WING NUT  
TERMINAL (WN)**



**LUG TERMINAL  
(LUG)**

# Special Features Glossary

<b>AGM</b>	Absorbed Glass Mat	<b>GM</b>	Glass Mat Separator	<b>OE</b>	Original Equipment Quality
<b>CH</b>	Carry Handles	<b>LI</b>	Lithium Carbon	<b>PL</b>	Platelock™ Technology
<b>CI</b>	State of Charge Indicator	<b>LM</b>	Low Maintenance	<b>PV</b>	Pressure Valve
<b>CV</b>	Central Venting	<b>MIA</b>	Made in Australia	<b>RP</b>	Recessed Post
<b>EFB</b>	Enhanced Flooded Battery	<b>MF</b>	Maintenance Free	<b>VR</b>	Vibration Resistant
<b>FA</b>	Flame Arrestor	<b>MR</b>	Mud Rack		

Australian Standard Specifications as per AS 2149.



# ISS ACTIVE AGM & EFB

YUASA'S ISS ACTIVE BATTERY RANGE REPRESENTS THE LATEST IN PERFORMANCE & TECHNOLOGY FOR IDLE STOP START SYSTEMS.

Yuasa ISS Active batteries are specially designed to satisfy the fuel saving and emission reducing benefits of vehicles fitted with Idle Stop Start systems.

The range incorporates innovative design features and advanced raw materials to deliver superior cycling performance, high charge acceptance for rapid recharge in between engine off modes and the extra power to run on-board electrics whilst the engine is switched off.





## ISS ACTIVE AGM

A range of premium batteries incorporating Absorbed Glass Mat (AGM) technology to deliver exceptional starting power, extreme cycle life and superior micro-cycling capabilities. ISS Active AGM batteries are designed and engineered specifically for vehicles fitted with advanced Stop Start engine management, regenerative braking and energy recovery systems.



- Perfect for replacing original equipment (OE) batteries
- Superior charge acceptance for faster recharge between repeated engine starts
- 3 x higher cycling endurance
- Low self-discharge rate for longer shelf life



**EXCEPTIONAL STARTING POWER**



**MAXIMUM SERVICE LIFE**

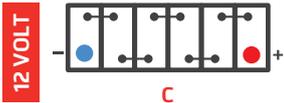


**SUPERIOR STOP START CYCLING PERFORMANCE**



**SUPERIOR RECHARGE EFFICIENCY**

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 [all measurements in mm]				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>ISS ACTIVE AGM</b>															
118201^	DIN44LH AGM	36	12	520	80	50	206	175	190	190	C	15.00	STD	SIDE/END	AGM, FA, MF, RP
106222	DIN53LH AGM	36	12	640	100	60	242	175	190	190	C	17.30	STD	SIDE/END	AGM, CH, FA, MF, RP
106223	DIN65LH AGM	36	12	720	120	70	276	175	190	190	C	20.05	STD	SIDE/END	AGM, CH, FA, MF, RP
106224	DIN75LH AGM	36	12	800	155	80	316	175	190	190	C	22.80	STD	SIDE/END	AGM, CH, FA, MF, RP
106225	DIN85LH AGM	36	12	850	160	92	353	175	190	190	C	26.30	STD	SIDE/END	AGM, CH, FA, MF, RP
106228	DIN110LHAGM	36	12	950	190	105	393	175	190	190	C	30.50	STD	SIDE/END	AGM, CH, FA, MF, RP



†Conditions apply. Refer to individual warranty statements attached to each battery.  
^Available for order from April 2021.



## ISS ACTIVE EFB

A range of original equipment (OE) grade Enhanced Flooded Batteries (EFB) which are used and endorsed by some of the world's leading car brands. The ISS Active EFB range is designed to help reduce fuel consumption and CO<sub>2</sub> emissions in vehicles fitted with standard Idle Stop Start systems.

- Direct OE replacement - perfect for replacing your vehicle's original equipment battery\*
- Lithium carbon additive for up to 50% faster recharging and 2x higher cycling performance
- Thicker and stronger internal components for increased shock and vibration resistance
- Recommended upgrade for standard vehicles subjected to repeated short journeys



**SUPERIOR  
STARTING  
POWER**

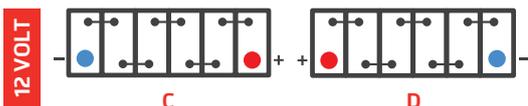


**LONGER  
SERVICE  
LIFE**



**ENHANCED STOP  
START CYCLING  
PERFORMANCE**

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 <small>(all measurements in mm)</small>				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>ISS ACTIVE EFB</b>															
106220	Q85	36	12	650	112	67	232	173	200	225	C	18.20	STD	-	EFB, LI, LM
106210	Q85R	36	12	650	113	67	232	171	200	225	D	18.30	STD	-	CH, CI, EFB, LI, LM
106211	S95	36	12	760	127	68	260	173	200	225	C	19.40	STD	-	EFB, LI, LM
106201	T110	36	12	810	155	80	303	173	200	225	C	23.30	STD	-	EFB, LI, LM
<b>ISS ACTIVE EFB MF</b>															
116200	Q85 MF	24	12	550	110	65	230	171	202	222	C	17.00	STD	-	CH, CI, EFB, FA, MF
116210	Q85R MF	24	12	550	110	65	230	171	202	222	D	17.00	STD	-	CH, CI, EFB, FA, MF
116211	S95 MF	24	12	680	130	70	258	172	199	220	C	19.90	STD	-	CH, CI, EFB, FA, MF
116201	T110 MF	24	12	760	150	95	302	170	200	222	C	22.50	STD	SIDE	CH, CI, EFB, FA, MF
116212	DIN53LH EFB	24	12	560	100	60	242	175	190	190	C	16.50	STD	SIDE/END	CH, EFB, FA, MF, RP
106216	DIN65L EFB	24	12	650	110	65	275	175	175	175	C	17.00	STD	SIDE/END	CH, EFB, FA, MF, RP
116213	DIN65LH EFB	24	12	650	120	70	275	175	190	190	C	19.10	STD	SIDE/END	CH, EFB, FA, MF, RP
106217	DIN75L EFB	24	12	730	135	75	313	175	175	175	C	19.10	STD	SIDE/END	CH, EFB, FA, MF, RP
116214	DIN75LH EFB	24	12	730	145	80	313	175	190	190	C	21.20	STD	SIDE/END	CH, EFB, FA, MF, RP



†Conditions apply. Refer to individual warranty statements attached to each battery.  
\*Selected vehicles only.

## YU-FIT Battery Configurator

With the introduction of CO<sub>2</sub> production control systems such as smart charging and Idle Start Stop (ISS) it is essential that the vehicle has the correct battery type and specification installed.

An increasing number of automotive manufacturers have introduced systems that now require a replacement battery to be correctly configured to the vehicle after installation.

### Failure to configure the correct specification battery could result in:

- Undercharging or overcharging of the battery resulting in damage which is not covered by the manufacturer's warranty
- Loss of the ISS CO<sub>2</sub> production control system functionality
- Possible loss of non-critical vehicle system functions

Battery configuration prevents incorrect battery charging, ensures the correct operation of the ISS CO<sub>2</sub> production control system and prevents the loss of non-critical vehicle systems.

The Yuasa YU-FIT battery configurator tool allows the configuration process to be carried out on a growing number of vehicles equipped with new technology smart charge and ISS systems.



ITEM ID	APPLICATION (recommended)	FEATURES
<b>YU-FIT BATTERY CONFIGURATOR</b>		
195012	Battery management system reset tool for European vehicles with idle stop-start	Easy to read LED results, voltage check, battery test, update subscription service available



# CAR & PASSENGER VEHICLE

YUASA CAR AND PASSENGER VEHICLE BATTERIES ARE THE ULTIMATE IN BATTERY PERFORMANCE AND MAINTENANCE FREE TECHNOLOGY. FEATURING SPECIALIST INTERNAL COMPONENTS, UNIQUE DESIGN FEATURES AND INDUSTRY LEADING TECHNOLOGIES TO COMBAT THE CAUSES OF BATTERY FAILURE AND DELIVER RELIABILITY, LONGER LIFE AND SUPERIOR PERFORMANCE.

Manufactured with Calcium battery plates, advanced grid designs, optimised paste formulation and our own revolutionary maintenance free lid technology, Yuasa Car & Passenger vehicle batteries deliver superior starting power, exceptional corrosion resistance, longer life and the performance to handle the demands of today's modern vehicles.





## POWER SERIES **ULTRA**

Yuasa Power Series Ultra batteries are designed and built in Australia<sup>^</sup> to suit our local conditions, providing the ultimate in battery performance. Suitable for both old and new vehicles with higher power demands, Yuasa Power Series Ultra batteries are engineered to exceed leading vehicle manufacturer's standards for quality and performance, delivering exceptional starting power, maximum service life and extra power for vehicle electrics.



- ➔ Suitable for both old and new vehicles with high power demands
- ➔ Over 20% extra starting power and 30% longer life\*
- ➔ Designed and built tough in Australia<sup>^</sup> to suit our local conditions
- ➔ Maximum service life with a sealed maintenance free design for reduced water loss



**EXCEPTIONAL STARTING POWER**



**MAXIMUM SERVICE LIFE**

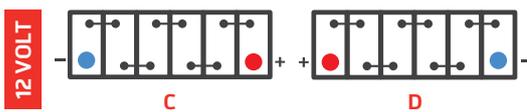


**EXTRA POWER FOR VEHICLE ELECTRICS**



**AUSTRALIAN MADE & DESIGNED**

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 (all measurements in mm)				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>POWER SERIES ULTRA</b>															
107220	67 MF	40	12	640	115	64	231	171	184	205	D	15.60	STD	SIDE/END	CH, CI, CV, FA, MF, MIA, MR
107221	67EF MF	40	12	640	115	64	231	171	184	208	D	15.60	STD	-	CH, CI, CV, FA, MF, MIA, MR
107222	68 MF	40	12	640	115	64	231	171	184	205	C	15.60	STD	SIDE/END	CH, CI, CV, FA, MF, MIA, MR
107224	75D23L MF	40	12	620	120	70	231	171	202	225	C	16.80	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR
107223	75D23R MF	40	12	620	120	70	231	171	202	225	D	16.80	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR
107226	NS40ZLX MF	40	12	410	65	42	196	128	201	220	C	10.90	SP	-	CH, CI, CV, FA, MF, MIA, MR
107228	NS40ZLSX MF	40	12	410	65	42	196	128	201	220	C	10.90	STD	-	CH, CI, CV, FA, MF, MIA, MR
107232	NS60LSX MF	40	12	480	80	50	235	128	201	220	C	12.70	STD	-	CH, CI, CV, FA, MF, MIA, MR
107231	NS60SX MF	40	12	480	80	50	235	128	201	220	D	12.70	STD	-	CH, CI, CV, FA, MF, MIA, MR
<b>POWER SERIES ULTRA DIN</b>															
113206	DIN65LHX MF	40	12	760	145	77	277	175	190	190	C	19.50	STD	SIDE/END	CH, CI, CV, FA, MF, MIA, MR, RP
113207	DIN65RHX MF	40	12	760	145	77	277	175	190	190	D	19.50	STD	SIDE/END	CH, CI, CV, FA, MF, MIA, MR, RP
109204	DIN75LHX MF	40	12	910	180	90	315	175	190	190	C	21.30	STD	SIDE/END	CH, CI, CV, FA, MF, RP
109205	DIN75RHX MF	40	12	910	180	90	315	175	190	190	D	21.30	STD	SIDE/END	CH, CI, CV, FA, MF, RP



†Conditions apply. Refer to individual warranty statements attached to each battery.  
\*Based on NS40ZLX MF and NS40ZL MF. ^Selected items only.



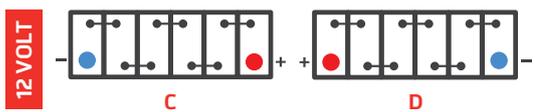
## POWER SERIES

Yuasa Power Series batteries are designed and built in Australia<sup>^</sup> to suit our local conditions, providing the dependable power and performance. Suitable for both old and new vehicles with standard power demands, Yuasa Power Series batteries are engineered to meet leading vehicle manufacturer's standards for quality and performance, delivering superior starting power, longer service life and power to run vehicle electrics.



- Suitable replacement for original equipment (OE) batteries
- Suitable for both old and new vehicles with standard power demands
- Designed and built tough in Australia to suit our local conditions<sup>^</sup>
- Longer service life with a sealed maintenance free design for reduced water loss

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 (all measurements in mm)				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>POWER SERIES</b>															
103220	57 MF	30	12	560	100	57	231	171	184	205	D	14.90	STD	SIDE/END	CH, CI, CV, FA, MF, MIA, MR
103221	57EF MF	30	12	560	100	57	231	171	184	205	D	14.90	STD	-	CH, CI, CV, FA, MF, MIA, MR
103222	58 MF	30	12	560	100	57	231	171	184	205	C	14.90	STD	SIDE/END	CH, CI, CV, FA, MF, MIA, MR
103225	55D23L MF	30	12	540	105	60	231	171	202	225	C	15.30	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR
103224	55D23R MF	30	12	540	105	60	231	171	202	225	D	15.30	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR
103231	NS40ZL MF	30	12	330	60	40	196	128	201	220	C	10.30	SP	-	CH, CI, CV, FA, MF, MIA, MR
103230	NS40Z MF	30	12	330	60	40	196	128	201	220	D	10.30	SP	-	CH, CI, CV, FA, MF, MIA, MR
105218	NS40ZLB MF	30	12	360	63	38	187	136	201	220	C	10.00	SP	SIDE	CH, CI, FA, MF, MR, PL, VR
103233	NS40ZLS MF	30	12	330	60	40	196	128	201	220	C	10.30	STD	-	CH, CI, CV, FA, MF, MIA, MR
103232	NS40ZS MF	30	12	330	60	40	196	128	201	220	D	10.30	STD	-	CH, CI, CV, FA, MF, MIA, MR
103227	NS60L MF	30	12	430	75	45	235	128	201	220	C	11.90	SP	-	CH, CI, CV, FA, MF, MIA, MR
103226	NS60 MF	30	12	430	75	45	235	128	201	220	D	11.90	SP	-	CH, CI, CV, FA, MF, MIA, MR
103229	NS60LS MF	30	12	430	75	45	235	128	201	220	C	11.90	STD	-	CH, CI, CV, FA, MF, MIA, MR
103228	NS60S MF	30	12	430	75	45	235	128	201	220	D	11.90	STD	-	CH, CI, CV, FA, MF, MIA, MR



† Conditions apply. Refer to individual warranty statements attached to each battery.  
<sup>^</sup>Selected items only.



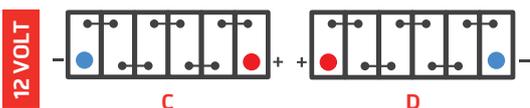
# POWER SERIES **DIN**

Yuasa Power Series DIN batteries have been designed and manufactured to deliver longer life and performance while meeting the fitment requirements of imported vehicles. Suitable for both old and new vehicles with standard power demands, Yuasa Power Series DIN batteries are engineered to meet leading vehicle manufacturer's standards for quality and performance, delivering superior starting power, longer service life and power to run vehicle electrics.



- Suitable replacement for original equipment (OE) batteries
- Suitable for both old and new vehicles with standard power demands
- Designed and built tough in Australia to suit our local conditions<sup>^</sup>
- Longer service life with a sealed maintenance free design for reduced water loss

ITEM ID	BATTERY TYPE	WARRANTY <sup>†</sup>	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR					POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>POWER SERIES DIN</b>															
115212	DIN44L MF	30	12	420	70	43	208	175	175	175	C	11.50	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
115227	DIN44LH MF	30	12	420	85	50	208	175	190	190	C	11.50	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
115213	DIN53L MF	30	12	500	90	54	242	175	175	175	C	13.50	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
115214	DIN53LH MF	30	12	500	90	55	242	175	190	190	C	14.00	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
115215	DIN53R MF	30	12	500	90	54	242	175	175	175	D	13.50	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
115216	DIN65L MF	30	12	580	110	63	277	175	175	175	C	15.50	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
112202	DIN65LH MF	30	12	660	130	68	277	175	190	190	C	18.40	STD	SIDE/END	CH, CI, CV, FA, MF, MIA, MR, RP
115217	DIN65R MF	30	12	580	120	63	277	175	175	175	D	15.50	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
112203	DIN65RH MF	30	12	660	130	68	277	175	190	190	D	18.40	STD	SIDE/END	CH, CI, CV, FA, MF, MIA, MR, RP
115218	DIN75L MF	30	12	730	135	80	315	175	175	175	C	18.00	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
115232	DIN75LH MF	30	12	750	160	90	315	175	190	190	C	20.90	STD	SIDE/END	CH, CI, CV, FA, MF, RP
115231	DIN75RH MF	30	12	750	160	90	315	175	190	190	D	20.90	STD	SIDE/END	CH, CI, CV, FA, MF, RP
115219	DIN85L MF	30	12	780	158	85	353	175	175	175	C	20.00	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
115220	DIN85LH MF	30	12	760	165	88	353	175	190	190	C	21.50	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR
115229	DIN110LH MF	30	12	920	195	110	393	175	190	190	C	25.00	STD	SIDE/END	CH, CI, CV, FA, MF, RP, VR



<sup>†</sup> Conditions apply. Refer to individual warranty statements attached to each battery.  
<sup>^</sup> Selected items only.





## 4x4 & SUV

WHETHER VENTURING INTO THE OUTBACK, ENJOYING THE HINTERLAND OR SAMPLING THE TOP END, IT IS IMPORTANT TO HAVE THE RIGHT EQUIPMENT – AND THAT INCLUDES THE BATTERY. YUASA'S RANGE OF 4X4 AND SUV BATTERIES ARE BUILT TOUGH TO BETTER SUIT OUR EXTREME CLIMATE AND HARSH OFF-ROAD CONDITIONS. BECAUSE WE KNOW THE ROAD AHEAD ISN'T ALWAYS GOING TO BE EASY.

Excessive under bonnet temperatures, continuous vibration and impacts from rough roads, and the demand of power hungry accessories all place extreme demands on the battery. So we design and build our 4x4 & SUV batteries using incredibly robust internal components and advanced manufacturing processes to withstand the challenges of Australia's extreme off-road conditions.





## OVERLANDER 4x4

Yuasa Overlander 4x4 batteries are designed to handle it all – from touring 4x4's which stay on sealed roads, all the way through to purpose-built weekend off-road warriors. Designed and built in Australia<sup>^</sup> to withstand the punishment of our extreme climate and harsh off-road conditions, Yuasa's Overlander 4x4 is a dual-purpose battery – providing superior starting power and semi-cycling capabilities to power aftermarket vehicle accessories.

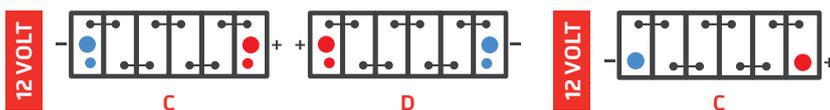


- Superior starting power for heavy duty off-road 4x4's & SUV's
- Dual Purpose – starting and semi-cycling capabilities for 4WD accessories\*
- Thicker full frame cast plates for extra strength, endurance and durability in 4x4 conditions
- Platelock™ technology\* and glass mat separators for enhanced vibration and impact resistance



ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	Dimensions (all measurements in mm)				POLARITY	WEIGHT (KG)	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
OVERLANDER 4x4															
122235	N70ZZXHD <sup>^</sup>	36	12	735	180	100	305	171	202	225	D	24.30	STD/WN	SIDE	CH, CI, GM, LM, MR, MIA, PL, VR
122236	N70ZZLXHD <sup>^</sup>	36	12	735	180	100	305	171	202	225	C	24.30	STD/WN	SIDE	CH, CI, GM, LM, MR, MIA, PL, VR
125238	DIN65L HD MF	30	12	650	110	65	275	175	175	175	C	17.00	STD	SIDE/END	CH, CI, FA, MF, PL, RP, VR
125235	DIN65LHHDMF	30	12	650	120	70	275	175	190	190	C	19.10	STD	SIDE/END	CH, CI, FA, MF, PL, RP, VR
125239	DIN75L HD MF	30	12	730	135	75	313	175	175	175	C	19.10	STD	SIDE/END	CH, CI, FA, MF, PL, RP, VR
125236	DIN75LHHDMF	30	12	730	145	80	313	175	190	190	C	21.20	STD	SIDE/END	CH, CI, FA, MF, PL, RP, VR

### MULTI-TERMINAL (STD/WN)



† Conditions apply. Refer to individual warranty statements attached to each battery.  
<sup>^</sup>Selected items only.

## Dual Battery Systems

In vehicles fitted with multiple accessories with heavy power requirements such as fridges, a dual battery system utilising a secondary deep cycle battery is recommended. Dual battery systems allow you to run a dedicated starting battery in conjunction with a secondary Deep Cycle battery. This allows the starting battery to be used for cranking the engine, and the Deep Cycle battery to power high-current draw accessories (like fridges) without compromising the performance of the starting battery.

# POWER SERIES **ULTRA**

Engineered for soft off-road and on-road 4x4's and SUV's, Yuasa Power Series Ultra 4x4 batteries provide exceptional starting power and maximum service life. Designed and built in Australia using hard-wearing components, Yuasa Power Series Ultra batteries are equipped to withstand the punishment of our unique climate and off-road conditions.



- ➔ Exceptional starting power for soft off-road and on-road 4x4's and SUV's
- ➔ Improved internal plate design for extra strength, endurance and durability
- ➔ Platelock™ technology reduces movement of internal plates for vibration resistance
- ➔ Sealed maintenance-free design for reduced water loss and up to 50% more<sup>^</sup> service life



**EXCEPTIONAL STARTING POWER**



**MAXIMUM SERVICE LIFE**



**EXTRA STRENGTH & ENDURANCE**

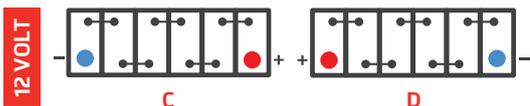


**ENHANCED VIBRATION RESISTANCE**



**AUSTRALIAN MADE & DESIGNED**

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 (all measurements in mm)				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>POWER SERIES ULTRA</b>															
127220	N70ZZX MF	30	12	810	185	95	305	171	202	225	D	23.40	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR, PL, VR
127221	N70ZZLX MF	30	12	810	185	95	305	171	202	225	C	23.40	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR, PL, VR
127236	NS70X MF	30	12	720	160	85	259	171	202	225	D	19.50	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR, PL, VR
127237	NS70LX MF	30	12	720	160	85	259	171	202	225	C	19.50	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR, PL, VR



† Conditions apply. Refer to individual warranty statements attached to each battery.  
<sup>^</sup> Compared to Hi Performance product



# POWER SERIES

Designed for road-based 4x4's and SUV's, Yuasa Power Series batteries provide superior starting power for a longer service life. Designed and built in Australia using quality internal components, Yuasa Power Series batteries are equipped to handle our unique climate and road conditions, and are the perfect choice for road-based 4x4's and SUV's.



- ➔ Superior starting power for road-based 4x4's and SUV's
- ➔ Specialised plate design for added strength, endurance and durability
- ➔ Improved vibration resistance and reduced self-discharge for improved battery life
- ➔ Sealed maintenance-free design for reduced water loss and longer service life



4x4 & SUV



**SUPERIOR STARTING POWER**



**LONGER SERVICE LIFE**



**ADDED STRENGTH & ENDURANCE**

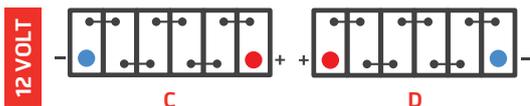


**IMPROVED VIBRATION RESISTANCE**



**AUSTRALIAN MADE & DESIGNED**

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 <small>(all measurements in mm)</small>				POLARITY	WEIGHT KG	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>POWER SERIES</b>															
123220	N70ZZ MF	20	12	720	170	85	305	171	202	225	D	21.90	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR, PL, VR
123221	N70ZZL MF	20	12	720	170	85	305	171	202	225	C	21.90	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR, PL, VR
123236	NS70 MF	24	12	650	140	75	259	171	202	225	D	18.70	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR
123237	NS70L MF	24	12	650	140	75	259	171	202	225	C	18.70	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR



† Conditions apply. Refer to individual warranty statements attached to each battery.





# TRUCK, BUS & HEAVY EQUIPMENT

YUASA TRUCK, BUS AND HEAVY EQUIPMENT BATTERIES REPRESENT THE LATEST IN PERFORMANCE AND RELIABILITY FOR HAULAGE AND LIGHT COMMERCIAL VEHICLES. DESIGNED AND BUILT IN AUSTRALIA<sup>^</sup> TO BETTER SUIT OUR HARSH ENVIRONMENT AND EXTREME CLIMATE, OUR RANGE OF HEAVY DUTY BATTERIES DELIVER WHAT DRIVERS AND FLEET MANAGERS REALLY WANT – LONGER LIFE, SUPERIOR RELIABILITY, AND LESS DOWN TIME.

Delivering more than just superior starting power, Yuasa Truck, Bus and Heavy Equipment batteries can sustain constant current loads over extended periods, to run on-board accessories for longer.





## POWER SERIES **ULTRA**

Yuasa Power Series Ultra truck batteries are the clear choice for professional drivers, providing advanced technology for long haul on-highway trucks with higher power demands. Designed and built in Australia to withstand the punishment of our extreme climate and harsh conditions, Yuasa Power Series Ultra truck batteries provide exceptional starting power and semi-cycling capabilities to power on-board accessories.



- ➔ Exceptional starting power for long haul on-highway vehicles with extra power demands
- ➔ Hybrid technology to sustain constant current loads for on-board accessories<sup>^</sup>
- ➔ 50% longer life with thicker full frame cast plates and glass mat separators for improved strength and durability<sup>^</sup>
- ➔ Platelock™ technology for extreme vibration and impact resistance<sup>^</sup>



**EXCEPTIONAL STARTING POWER**



**MAXIMUM SERVICE LIFE**



**SUPERIOR STRENGTH & ENDURANCE**

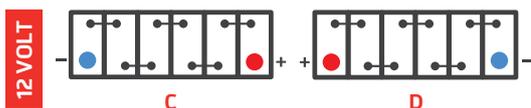


**EXTREME VIBRATION RESISTANCE**



**AUSTRALIAN MADE & DESIGNED**

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 [all measurements in mm]				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>POWER SERIES ULTRA</b>															
122232	N70ZZHX	18	12	730	180	95	305	171	202	225	D	23.90	STD	SIDE	CH, CI, GM, LM, MIA, MR, PL, VR
122233	N70ZZLHX	18	12	730	180	95	305	171	202	225	C	23.90	STD	SIDE	CH, CI, GM, LM, MIA, MR, PL, VR
127234	NS70HX MF	18	12	720	160	85	259	171	202	225	D	19.50	STD	SIDE	CH, CI, MF, MIA, MR, PL, VR
127235	NS70LHX MF	18	12	720	160	85	259	171	202	225	C	19.50	STD	SIDE	CH, CI, MF, MIA, MR, PL, VR



† Conditions apply. Refer to individual warranty statements attached to each battery.  
<sup>^</sup>Selected items only.

# POWER SERIES

Yuasa Power Series truck batteries utilise advanced technology for short haul off-highway vehicles. Designed and built in Australia to withstand the punishment of our extreme climate and harsh conditions, Yuasa Power Series truck batteries provide added strength and endurance.



- ➔ Superior starting power for short haul off-highway vehicles
- ➔ Added strength and endurance in commercial conditions
- ➔ Longer service life Calcium technology for lower self-discharge and reduced water loss
- ➔ Platelock™ technology for improved vibration and impact resistance^



**SUPERIOR STARTING POWER**



**LONGER SERVICE LIFE**



**ADDED STRENGTH & ENDURANCE**

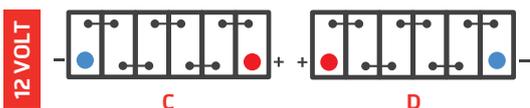


**IMPROVED VIBRATION RESISTANCE**



**AUSTRALIAN MADE & DESIGNED**

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 (all measurements in mm)				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>POWER SERIES</b>															
123224	N70ZZH MF	12	12	780	160	90	305	171	202	225	D	23.90	STD	SIDE	CH, CI, CV, FA, MF, MR, MIA, PL, VR
123225	N70ZZLH MF	12	12	780	160	90	305	171	202	225	C	23.90	STD	SIDE	CH, CI, CV, FA, MF, MR, MIA, PL, VR
123232	NS70H MF	12	12	650	140	75	259	171	202	225	D	18.70	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR
123233	NS70LH MF	12	12	650	140	75	259	171	202	225	C	18.70	STD	SIDE	CH, CI, CV, FA, MF, MIA, MR



† Conditions apply. Refer to individual warranty statements attached to each battery.  
 ^ Selected items only.



# HEAVY DUTY

Manufactured using some of the toughest internal components and materials available in the battery industry. Yuasa Heavy Duty batteries are designed and built tough to provide superior power and performance in commercial vehicles with high power demands.



- ➔ Exceptional starting power for commercial vehicles with high power demands
- ➔ Thicker plates and denser active material for extra strength and endurance
- ➔ Lower self-discharge and reduced water loss for longer service life
- ➔ Platelock™ technology reduces movement of internal plates for improved vibration resistance^



**EXCEPTIONAL STARTING POWER**



**LONGER SERVICE LIFE**

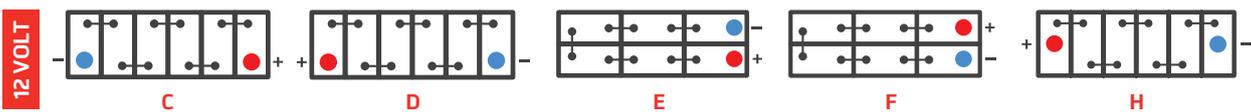


**EXTRA STRENGTH & ENDURANCE**



**IMPROVED VIBRATION RESISTANCE**

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	[all measurements in mm]				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>HEAVY DUTY</b>															
125207	86Z MF	12	12	950	180	95	330	170	217	238	H	24.00	STD	-	CH, CI, CV, FA, MF, MR, PL, VR
125208	86ZT MF	12	12	950	180	95	330	170	217	238	H	24.00	TH	-	CH, CI, CV, FA, MF, MR, PL, VR
121221	94	12	12	890	255	135	506	206	180	203	E	35.70	STD	-	CH, CV, FA, GM, LM, MR, PL, VR
125209	N100 MF	12	12	740	182	100	405	175	210	235	D	25.10	STD	-	CH, CI, CV, FA, GM, MF, MR, PL, VR
125214	N100L MF	12	12	740	182	100	405	175	210	235	C	25.10	STD	-	CH, CI, CV, FA, GM, MF, MR, PL, VR
125210	N120 MF	12	12	900	230	135	505	180	210	240	F	32.10	STD	-	CH, CI, CV, FA, MF, MR, PL, VR
125230	N120L MF	12	12	900	230	135	505	180	210	240	E	32.10	STD	-	CH, CI, CV, FA, MF, MR, PL, VR
125211	N150 MF	12	12	1000	300	155	500	220	210	235	F	38.40	STD	-	CH, CI, CV, FA, MF, MR, PL, VR
125216	N150L MF	12	12	1000	300	155	500	220	210	235	E	38.40	STD	-	CH, CI, CV, FA, MF, MR, PL, VR
125212	N200 MF	12	12	1200	430	200	520	275	220	240	F	51.50	STD	-	CH, CI, CV, FA, MF, MR, PL, VR



† Conditions apply. Refer to individual warranty statements attached to each battery. ^ Selected items only.





# DEEP CYCLE

DESIGNED AND BUILT TO ENDURE THE UNCOMPROMISING DEMANDS OF AUSTRALIA'S HARSH ENVIRONMENT. YUASA DEEP CYCLE BATTERIES DELIVER LONG-LASTING, DEPENDABLE POWER FOR ACCESSORIES AND ARE IDEAL AS SECONDARY BATTERIES IN RECREATIONAL APPLICATIONS - INCLUDING 4X4S, CARAVANS AND RECREATIONAL VEHICLES, WHEELCHAIRS, MOBILITY SCOOTERS, MARINE SYSTEMS, DUAL-BATTERY SYSTEMS AND INDUSTRIAL EQUIPMENT.

Manufactured using the toughest internal components, and engineered to withstand heavy discharge and recharging cycles without damaging critical internal components. The ideal battery to power accessories such as lights, heaters, fridges, fish finders, navigation devices, winches, pumps, plus other commercial applications.





## DEEP CYCLE FLOODED

Yuasa Flooded Deep Cycle batteries are designed right here in Australia<sup>^</sup> to handle our extreme climate and harsh operating conditions. They are a robust and dependable range of batteries designed for conventional applications and installations where reliable, long lasting power supply is required.



- ◆ Dependable cycling performance with superior heat resistance
- ◆ Platelock™ technology reduces movement of internal plates for improved vibration resistance<sup>^</sup>
- ◆ Full frame cast plates with glass mat separators for extra strength & cycling performance
- ◆ Designed for under bonnet use in 4x4's, SUV's, recreational and commercial vehicles



LONG CYCLE LIFE



DEEP DISCHARGE CAPABILITY



IMPROVED RECHARGE EFFICIENCY



REDUCED SELF DISCHARGE



SUPERIOR HEAT RESISTANCE

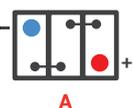
ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	[all measurements in mm]				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>DEEP CYCLE FLOODED</b>															
141209	12A	12	6	-	-	105	227	173	184	205	A	15.80	STD	-	CH, GM, LM
145202	D23LT MF	12	12	-	-	65	230	171	202	222	C	17.10	STD	-	CH, CI, FA, MF
145203	D23RT MF	12	12	-	-	65	230	171	202	222	D	17.10	STD	-	CH, CI, FA, MF
141228	N70T <sup>^</sup>	18	12	-	-	102	305	171	202	222	D	25.10	STD/WN	-	CH, CI, GM, LM, MIA, MR, PL, VR
145200	N70TX MF	12	12	-	-	95	302	172	202	225	D	21.20	STD/WN	SIDE	CH, CI, CV, FA, GM, MF, MR, PL, VR
145201	NS70TX MF	12	12	-	-	82	260	171	202	222	D	18.60	STD/WN	SIDE	CH, CI, CV, FA, GM, MF, MR, PL, VR

### SEASONAL USE



For seasonal use, fully recharge the battery before putting into storage. Check the state-of-charge or voltage regularly. Should the voltage drop below 12.5 volts, recharge the battery. It is important to check the battery completely before reconnecting to the electrical devices.

6 VOLT

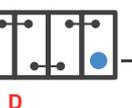


A

12 VOLT



C



D

### MULTI-TERMINAL



D

† Conditions apply. Refer to individual warranty statements attached to each battery.  
<sup>^</sup> Selected items only.





# MARINE

THE ULTIMATE IN MARINE BATTERIES, PERFECTLY ADAPTED TO LIFE ON THE WATER. YUASA SEAFARER BATTERIES ARE SPECIFICALLY DESIGNED TO HANDLE THE HARSH AND DEMANDING ENVIRONMENTS WHICH BOATS ARE OFTEN SUBJECTED TO. CONTINUOUS VIBRATION FROM HIGH-POWER ENGINES AND THE RELENTLESS HULL IMPACTS FROM WAVES CAN ALL TAKE THEIR TOLL ON THE BATTERY – WHICH IS WHY IT IS IMPORTANT TO USE A BATTERY WHICH IS BUILT TO THRIVE IN THESE CONDITIONS..

Engineered for purpose and manufactured using quality components, Yuasa Seafarer batteries offer a wide range of product options to suit all popular boat types and engine sizes. From a starting battery for a tinny, right through to batteries for starting larger engines and powering accessories – there's a Seafarer battery to suit.





## SEAFARER

Yuasa Seafarer batteries are designed and manufactured in Australia to better suit our conditions and way of life. They're built tough to handle the rigours of wave pounding, delivering reliable starting power and performance when you need it most. The Seafarer range can start engines from 70 – 350hp and power multiple on-board accessories<sup>‡</sup>.



- Superior starting power - starts engines from 70 – 350hp
- Dual purpose – starting and semi-cycling capabilities for on-board accessories
- Thicker full frame cast plates<sup>^</sup> for improved strength and durability
- Platelock™ technology to combat the effects of wave pounding and damage from trailer transport



STARTS ENGINES UP TO 350HP



DUAL PURPOSE STARTING & SEMI-CYCLING



PLATELOCK™ COMBATS WAVE POUNDING



SUPERIOR STRENGTH & ENDURANCE



EXTREME VIBRATION RESISTANCE

ITEM ID	BATTERY TYPE	WARRANTY <sup>†</sup>	VOLTS	CCA -18°C	MCA -0°C	RC @ 25°C	AH @ 20HR	Dimensions (all measurements in mm)				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES	STARTS ENGINES	ELECTRICS
								L	W	H	TH							
SEAFARER																		
133200	D23RM MF	24	12	580	750	120	65*	231	171	202	225	D	16.40	STD	-	CH, CI, LM, MIA, MR, PL, VR	Up to 70hp	-
133201	NS70M MF	24	12	680	880	155	75	260	171	202	225	D	21.00	STD/WN	SIDE	CH, CI, GM, LM, MIA, MR, PL, VR	Up to 150hp	Basic electrics
133202	N70ZM MF	24	12	780	1000	180	100	305	171	202	225	D	25.10	STD/WN	-	CH, CI, GM, LM, MIA, MR, PL, VR	Up to 350hp	Basic + 2 optional electrics

## ON-BOARD MARINE ELECTRICS

### BASIC ELECTRICS

- » Control Instruments
- » Standard lighting
- » Bilge pump
- » UHF/VHF radio

### OPTIONAL ELECTRICS

- » Extra lighting
- » GPS / Fish Finder
- » Auto pilot / Trim tabs
- » Fridge



<sup>†</sup> Conditions apply. Refer to individual warranty statements attached to each battery.  
<sup>‡</sup>Excluding D23RM MF. <sup>^</sup>Selected items only. \* Recommended for starting applications only.



# LAWN & GARDEN

POWER AND PERFORMANCE FROM  
SEASON TO SEASON.

Yuasa Yard Master batteries are the perfect partner for your ride-on mower! The Yardmaster range represents the latest in small engine starting technology for ride-on mowers, personal watercraft and generators. Available in both maintainable and maintenance free options, they're built tough to handle Australia's extreme climate and harsh operating conditions.





## YARD MASTER

Yuasa Yard Master batteries are developed from some of the most advanced technical resources, and built tough to deliver superior starting power and performance in constant stop start applications.



- ➔ Maintenance free design – sealed to protect against dirt, dust and grass
- ➔ Calcium technology for lower self-discharge and longer life
- ➔ Platelock™ technology to combat vibration damage



DEPENDABLE  
STARTING  
POWER



LOW  
SELF  
DISCHARGE

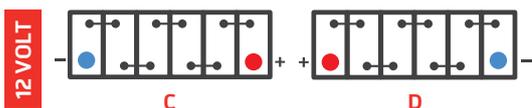


ADDED  
STRENGTH &  
ENDURANCE



BUILT TO  
COMBAT  
VIBRATION

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 [all measurements in mm]				POLARITY	WEIGHT	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
YARD MASTER															
160202	U1 MF	12	12	300	45	28	195	125	155	182	D	7.80	LUG	-	CH, CV, FA, MF, MR, PL, VR
160203	U1R MF	12	12	300	45	28	195	125	155	182	C	7.80	LUG	-	CH, CV, FA, MF, MR, PL, VR



† Conditions apply. Refer to individual warranty statements attached to each battery.  
^ Selected items only.



# Battery Care & Maintenance<sup>^</sup>

Checking batteries regularly can help to maximise battery life. A routine inspection at least once a month is recommended to maintain optimum performance.

Lead-acid batteries prefer to be kept fully charged, at a voltage of 12.5V or above. If a battery is left in a partially discharged or flat state for extended periods of time, irreversible internal damage will gradually begin to occur, greatly reducing the overall service life you will get out of it.

- Check the battery voltage using a voltmeter
- If the voltage is above 12.5v, the battery is charged and healthy
- If the voltage is at 12.5v or below, recharge the battery
- Re-check battery voltage at least once a month

<sup>^</sup>Always follow manufacturers guidelines.



## Factors Affecting Battery Life

As batteries operate and age, they gradually lose their capacity. The constant charge and discharge process eventually leads to failure. Components corrode over time, electrical shorts occur and vibration causes damage; eventually causing failure. Overcharging and undercharging of a battery will also have a bearing on battery life.

 **Early Warning Signs**

 **Discharged (flat) Batteries**

 **Battery Inspection**

 **Useful Tips**

Scan the code to learn more



# Battery Charging

## Safety first

Before attempting to charge a battery with an external battery charger, it is important to be aware of the safety precautions when charging batteries and follow the instructions outlined by the charger manufacturer.

## Charging current (for manual chargers)

The recommended safe charging current is 10% of the battery's 20 hour (Ah) rating. For example if you want to charge a 100Ah battery, the recommended charger current for this battery would be 10 Amps.

## Selecting the correct charger

Lead acid batteries should be charged in 3 stages; constant current (boost), constant voltage (absorption) and float charge.

When choosing a battery charger, it is important to select a charger that delivers the specified charging voltage and current to suit the battery type.

# New Battery Installation

ENSURE THE VEHICLE'S IGNITION SYSTEM IS "OFF" BEFORE INSTALLING A NEW BATTERY.

- Ensure check the battery size and terminal layout to ensure it matches your existing/old battery
- Double check the terminal posts to ensure the Positive(+) and Negative(-) terminals are on the correct sides
- Install the battery hold down clamp, tightening until the battery does not move
- Connect and tighten the Positive(+) terminal, ensuring it is pushed all the way down onto the battery post
- Connect the Negative(-) terminal in the same way
- If your battery setup has rubber caps to protect the terminals, slide these back into place

If in doubt, please contact your Century Yuasa for assistance or to obtain the correct information. Any mistakes made during installation - in particular connecting the terminals to the opposite battery posts - could potentially cause damage to the battery and also the vehicle's electrical system.

# Nationwide Warranty

Each Yuasa battery is supplied with a warranty against defects for the period and application, as detailed on each battery. Call **1300 361 161** for your nearest warranty claim location.

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 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 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 motorsport or racing activities

# Private Use Statement

Private use is a vehicle used for private needs, as opposed to business uses. These vehicles are generally defined as having only four wheels and are not used to carry passengers or goods for monetary purposes.



# Battery Health & **Safety**<sup>#</sup>

## **Battery Acid**

Battery acid can cause burns. Suitable hand, eye and face protection and protective clothing must be worn.

## **First Aid**

For advice, contact the poisons information centre (phone 13 11 26 in Australia) or a doctor immediately. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by poisons information centre or doctor, or at least 15 minutes.

If skin or hair contact occurs, remove contaminated clothing and flush skin or hair with running water.

## **Acid Spill Response**

Bund and neutralise spills with soda ash or other suitable alkali. Dispose of residue as chemical waste or as per local requirements.

## **If Electrolyte is Swallowed**

Do NOT induce vomiting – give a glass of water. Seek immediate medical assistance.

## **Exploding Battery**

Batteries generate explosive gases during vehicle operation and when charged separately. Flames, sparks, burning cigarettes or other ignition sources must be kept away at all times.

Exercise caution when working with metallic tools or conductors to prevent short circuits and sparks.

## **Always Shield Eyes When Working Near Batteries**

When charging batteries, work in a well-ventilated area - never in a closed room. Always turn battery charger or ignition off\* before disconnecting a battery.

#As extracted and interpreted by product manufacturer from the Battery Council International Service Manual, Chapter 2, Thirteenth Edition. \*In some vehicles, ignition may be required to be placed in accessory mode where electronic memory minder is present.



# YUASA BATTERY

For more information on the Yuasa range  
of products and services, contact your nearest  
Yuasa Sales office on **1300 362 287**

EXCLUSIVE TO



YU103-2928