

# DEEP CYCLE BATTERIES



[centurybatteries.co.nz](http://centurybatteries.co.nz)

**Century**  
Batteries that last and last

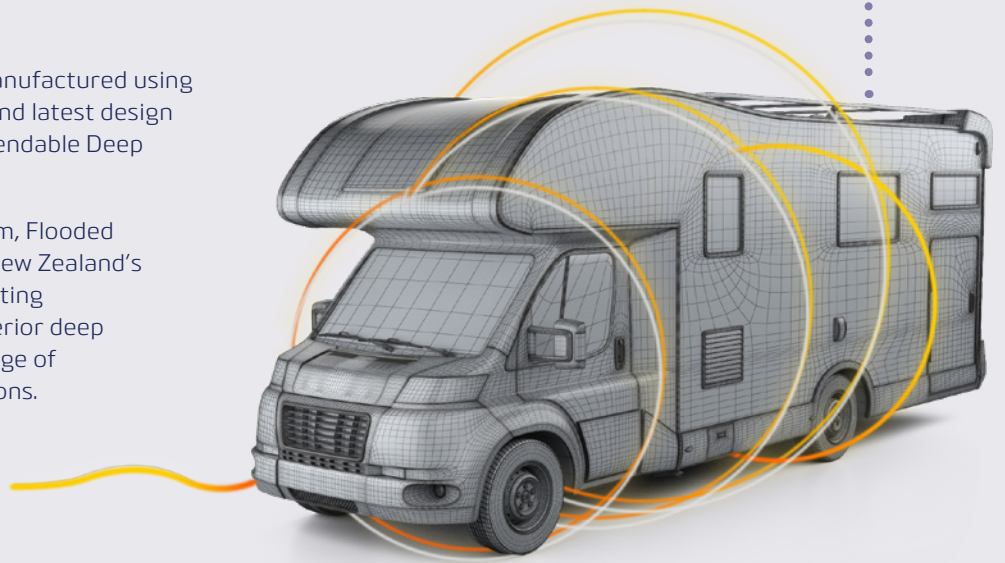


# DEEP CYCLE

## Long-lasting, dependable deep cycle power

Century Deep Cycle batteries are manufactured using the toughest internal components and latest design features to deliver long-lasting, dependable Deep Cycle power.

A comprehensive selection of Lithium, Flooded and AGM batteries built strong for New Zealand's harsh environment and tough operating conditions. Designed to provide superior deep cycling performance in a diverse range of recreational & commercial applications.



## Century Batteries, designed for New Zealand conditions

Century Batteries is part of the Century Yuasa group, New Zealand's leading battery supplier. Our reputation for quality and innovation has been refined and demonstrated over many decades.

In this time we have developed the engineering expertise and technical know-how to ensure we deliver a range of superior quality batteries better suited to New Zealand's diverse climate and tough conditions.

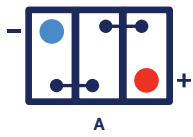




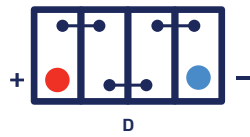
# Cell Assembly Layout



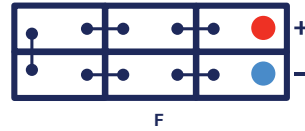
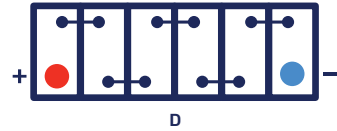
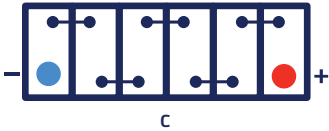
## 6 VOLT



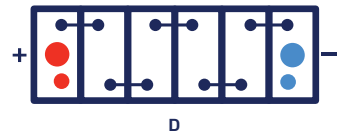
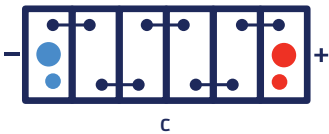
## 8 VOLT



## 12 VOLT



## 12 VOLT TWIN TERMINALS



# Battery Hold-Down



SIDE  
HOLD-DOWN

# Terminal Types

STANDARD TERMINAL  
POST (STD)



DUAL FIT TERMINAL  
POST (DF)



TWIN  
(STD/WN)



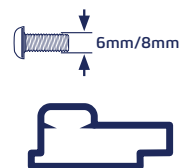
UTL



W/NUT



M6 / M8 INSERT



# Special Features Glossary

AGM	Absorbed Glass Mat	FA	Flame Arrestor	PL	Platelock™ Technology
BMS	Battery Management System	GM	Glass Mat Separator	PV	Pressure Valve
BT	Bluetooth Monitoring	LM	Low Maintenance	QC	Quick Charge
CH	Carry Handles	MF	Maintenance Free	RP	Recessed Post
CI	State of Charge Indicator	MR	Mud Rack	VR	Vibration Resistant
CV	Central Venting	MRF	Microrib Flexsil Separator	XI	Crystal Plate Technology



# LITHIUM PRO

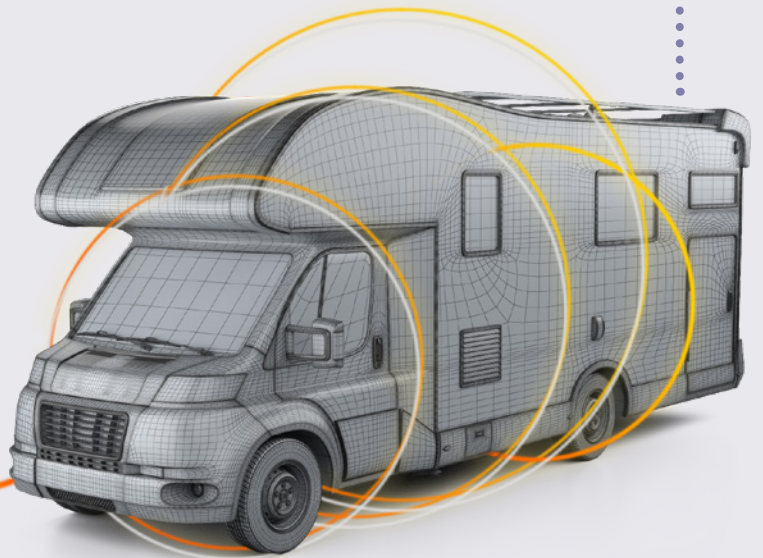
Century Lithium Pro Batteries represent the latest in performance and reliability for non-cranking recreational applications and have been developed and tested above industry standards to ensure the highest safety and performance.

Their superior energy capacity, operating temperature range and lightweight design makes Century Lithium Pro batteries ideal for use in a range of applications where longer life, faster recharge and dependable power is required.



#### SEASONAL USE

For seasonal use, the battery should be stored at a state of charge of between 40%-60% of its nominal capacity. Check battery every 4 to 6 months to see if recharge is required, more frequently in ambient temperatures exceeding 35°C. Keep area free from flammable materials and do not store in direct sunlight.





# Lithium Pro

Century Lithium Pro batteries are designed to provide long lasting power in recreational deep cycle applications. Capable of delivering over 3000 cycles, 50% more usable energy and up to 10x faster recharging\* they are suitable as a drop-in replacement for standard 12V Flooded, Gel or AGM Deep Cycle batteries^.

The superior energy capacity, operating temperature range and lightweight design makes Century Lithium Pro batteries ideal for use in a range of applications where longer life, faster recharge and dependable power is required.



- ✓ 3000+ Cycles and 10x more cycle life
- ✓ 10x Faster Recharge for less downtime & recovery from deep discharge
- ✓ Integrated Battery Management System provides safety and protection against incorrect charging, short circuit and over discharge
- ✓ Bluetooth monitoring system

  
MOTORHOMES  
& RV'S#



  
BOATS &  
YACHTS#

  
CAMPER TRAILERS  
& CARAVANS

  
PORTABLE SOLAR  
APPLICATIONS#

  
RECREATIONAL &  
MOBILITY VEHICLES

  
4X4 DUAL BATTERY  
SYSTEMS#

ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	AH @ 20HR	 (ALL MEASUREMENTS IN MM)				POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	 SPECIAL FEATURES
					L	W	H	TH					
<b>LITHIUM PRO</b>													
117100	C12-100XLi	36	12	100	307	172	212	217	D	13.5	M8 INSERT	-	BT, BMS, QC, MF, VR
117102	C12-100XSli (Slim)	36	12	100	508	110	236	236	D	13.6	M8 INSERT	-	BT, BMS, QC, MF, VR
117101	C12-200XLi	36	12	200	483	170	241	241	D	24.5	M8 INSERT	-	BT, BMS, QC, MF, VR

Century Lithium Pro batteries have been tested in accordance to industry standards relating to performance and safety. We have also invested in additional certification and testing to ensure that the battery conforms to the highest quality in relation to design, performance and safety.

## Performance Tests

- Charge-Discharge ageing (IEC61690)
- Overcharge (UN38.3, IEC62619)
- Over Discharge (IEC62619)
- Thermal Resistance (UN38.3, IEC62619)
- V3 Vibration Resistance (UN38.3, IEC60095)
- Thermal Shock (UN38.3, IEC62619)

## Safety Tests

- Nail Penetration (cell supplier)
- Impact crush/drop (UN38.3, IEC62619)
- Short circuit resistance (UN38.3, IEC62619)
- Transport of Dangerous Goods (UN38.3)
- IP65

### MULTI-TERMINAL



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

#Century Lithium Pro batteries are not suitable for cranking/starting and under bonnet, grid connected solar systems or float charge applications.

^When used within recommended operating conditions and in conjunction with a compatible Lithium charger or charging system.

\*At 80% DOD. Compared with standard flooded lead acid battery.



# DEEP CYCLE FLOODED & AGM

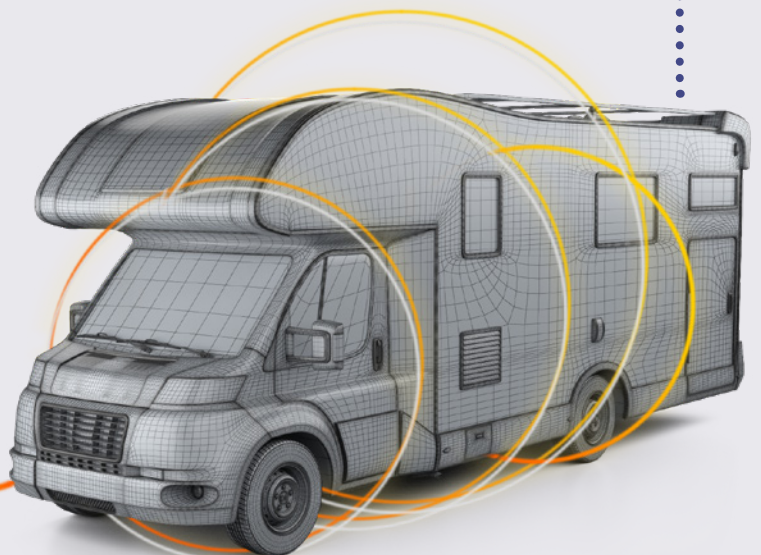
Available in Flooded and AGM variants, Century Deep Cycle batteries deliver long-lasting, dependable power for accessories and are ideal as secondary batteries in recreational & commercial applications - including 4x4s, caravans and recreational vehicles, golf carts, wheelchairs, mobility scooters, marine systems, dual-battery systems and industrial equipment.

Century Deep Cycle batteries are manufactured using the toughest internal components, and are engineered to withstand heavy discharge and recharging cycles without damaging critical internal components. Deep Cycle batteries are most often used to supply power to accessories such as lights, heaters, fridges, fish finders, navigation devices, winches, pumps, plus other commercial applications including golf carts, scissor and boom lift machines.



#### 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.







# Deep Cycle

## Deep Cycle Plus

The all-round dual purpose Deep Cycle battery with cycling and starting capabilities. Designed to provide longer life performance when continually discharged and recharged. Constructed with premium-grade raw materials and acid electrolytes to ensure reliable deep cycling performance in a diverse range of recreational and commercial applications.

- ✓ Superior cycle life
- ✓ Designed to withstand repeated recharge and discharge cycles
- ✓ Platelock™ technology providing shock and vibration resistance
- ✓ Thicker plates for improved strength and durability



**DUAL PURPOSE  
CYCLING &  
STARTING**



**SUPERIOR  
CYCLE  
LIFE**



**DEEP  
DISCHARGE  
CAPABILITY**



**SUPERIOR  
RECHARGE  
EFFICIENCY**



OLD ITEM ID	OLD BATTERY TYPE	NEW ITEM ID	NEW BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	(ALL MEASUREMENTS IN MM)				POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	SPECIAL FEATURES
									L	W	H	TH					
<b>DEEP CYCLE PLUS</b>																	
645100	24DCMF	645100	24DC MF	12	12	600	135	82	260	171	202	225	D	18.6	TWIN	SIDE	CH, CI, CV, FA, MF, MR, PL, VR
645101	27DCMF	645101	27DC MF	12	12	680	160	96	304	172	202	225	D	21.2	TWIN	SIDE	CH, CI, CV, FA, MF, MR, PL, VR
645102	30DCMF	645104	31DC MF	12	12	680	200	110	330	173	217	239	D	25	TWIN	SIDE	CH, CI, CV, FA, MF, MR, PL, VR

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

## Deep Cycle Flooded

A robust and dependable range of batteries designed for applications and installations where reliable, long lasting power supply is required.

- ✓ Dependable cycling performance with superior heat resistance
- ✓ Designed to withstand repeated recharge and discharge cycles
- ✓ Superior deep discharge capabilities
- ✓ Designed for under bonnet use in 4x4's, SUV's, recreational and commercial vehicles



**LONG  
CYCLE  
LIFE**



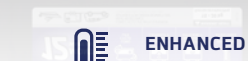
**DEEP  
DISCHARGE  
CAPABILITY**



**IMPROVED  
RECHARGE  
EFFICIENCY**



**ENHANCED  
HEAT  
RESISTANCE**



OLD ITEM ID	OLD BATTERY TYPE	NEW ITEM ID	NEW BATTERY TYPE	WARRANTY†	VOLTS	AH @ 20HR	(ALL MEASUREMENTS IN MM)				POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>DEEP CYCLE FLOODED</b>															
641100	12DC	641140	12A	12	6	105	227	172	184	210	A	15.8	STD	-	GM, LM, VR
645103	D23LT MF	645103	D23LT MF	12	12	65	232	173	200	225	C	17	STD	-	CH, CI, FA, MF

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



# Deep Cycle .....

## Deep Cycle AGM



The ultimate in deep cycle performance. Century AGM Deep Cycle batteries utilise the latest Absorbed Glass Mat technology to provide superior cycle life, maximum deep discharge capabilities and durability characteristics.

- ✓ Absorbed Glass Mat (AGM) Technology for superior cycle life
- ✓ Thicker full-frame cast plates for maximum deep discharge capabilities
- ✓ Spill-proof design allows for multi-angle fitment at up to a 90° angle<sup>^</sup>
- ✓ Exceptional shock and vibration resistance to handle the harshest environments



**SUPERIOR  
CYCLE  
LIFE**



**MAXIMUM DEEP  
DISCHARGE  
CAPABILITY**



**SUPERIOR  
RECHARGE  
EFFICIENCY**



**MULTI  
ANGLE  
FITMENT<sup>^</sup>**

OLD ITEM ID	OLD BATTERY TYPE	NEW ITEM ID	NEW BATTERY TYPE	WARRANTY†	VOLTS	AH @ 20HR	 (ALL MEASUREMENTS IN MM)				POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	 SPECIAL FEATURES
							L	W	H	TH					
<b>DEEP CYCLE AGM</b>															
648105	C12-55DA	148122	C12-55XDA	24	12	55	229	138	211	216	D	18	M6 INSERT	-	AGM, CH, CV, FA, MF, PV, RP, VR
	<b>NEW</b>	148123	C12-75XDA	24	12	75	260	169	211	218	D	23.5	M6 INSERT	-	AGM, CH, CV, FA, MF, PV, RP, VR
	<b>NEW</b>	148120	C12-105XDA	24	12	105	307	169	210	215	D	29	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, RP, VR
648103	C12-120DA	148121	C12-120XDA	24	12	120	328	172	215	220	D	32	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, RP, VR
	<b>NEW</b>	148126	C12-165XDA	24	12	165	532	207	214	219	F	50	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, RP, VR
648104	C12-270DA	148127	C12-270XDA	24	12	270	520	268	220	225	F	74	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, RP, VR
648102	LPC6-190	648102	LPC6-190	12	6	190	306	168	222	228	A	30.8	M6 INSERT	-	AGM, CH, MF, VR

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



<sup>^</sup> Not suitable for inverted or end mounted use.





# Deep Cycle Industrial

Century Deep Cycle Industrial batteries are a range of multi-purpose, maintainable 6, 8 and 12 volt batteries designed for use in commercial and industrial machinery. They feature thicker, heavier battery plates, heavy duty internal connections, and a high-density shock resistant construction for superior current flow and exceptional vibration resistance. Designed for strength and durability needed to provide tough, ultimate, long lasting power in recreational and industrial applications. XI Crystal Plate Technology provides enhanced performance, charging characteristics and improved battery life.<sup>^</sup>



- ✓ Engineered for superior deep cycle performance in commercial applications
- ✓ Heavy-duty, internal connections for improved conductivity and current flow
- ✓ Thicker full-frame cast plates for deep discharge and recharge efficiency
- ✓ Wingnut terminals suits most industrial equipment wiring looms



**LONG CYCLE LIFE**



**DEEP DISCHARGE CAPABILITY**



**IMPROVED RECHARGE EFFICIENCY**



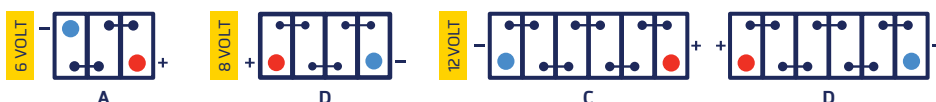
**REDUCED SELF DISCHARGE**



**ENHANCED HEAT RESISTANCE**

OLD ITEM ID	OLD BATTERY TYPE	NEW ITEM ID	NEW BATTERY TYPE	WARRANTY†	VOLTS	AH @ 20HR	 <small>(ALL MEASUREMENTS IN MM)</small>				POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>DEEP CYCLE INDUSTRIAL</b>															
641124	C2320S-US	641124	C2320S-US	12	6	232	260	181	244	277	A	28	DF	-	LM, MRF, VR, XI
641128	C105*	641128	C105	12	6	225	264	181	245	276	A	29.79	W/NUT	-	LM, VR
<b>NEW</b>		148130	C105AGM*	12	6	225	260	180	263	282	A	30.5	W/NUT	-	AGM, VR
<b>NEW</b>		641129	C145	12	6	260	264	181	264	295	A	39.9	W/NUT	-	LM, VR
<b>NEW</b>		641130	C8VGC	12	8	170	264	181	245	276	D	31.88	W/NUT	-	LM, VR
641116	C8VGC-US	641116	C8VGC-US	12	8	170	260	181	244	273	D	29.2	UTL	-	LM, MRF, VR, XI
641127	C12VS-US	641127	C12VS-US	12	12	155	333	179	244	277	D	39	DF	-	CH, LM, MRF, VR, XI
641121	C27DC-US	641121	C27DC-US	12	12	105	324	171	202	238	C	26.6	TWIN	SIDE	CH, LM, MRF, VR, XI
641122	C31DC-US	641122	C31DC-US	12	12	130	330	171	219	240	D	29.7	TWIN	-	CH, LM, MRF, VR, XI
641126	C16HCS-US	641126	C16HCS-US	12	6	420	302	181	385	416	A	54	DF	-	LM, MRF, VR, XI
641120	C24DC-US	641120	C24DC-US	12	12	85	283	171	222	238	C	23	TWIN	SIDE	CH, LM, MRF, VR, XI

† Conditions apply. Refer to individual warranty statements attached to each battery. \*Available May 2023.



<sup>^</sup>Selected products only.



# Dual Force+

Century *Dual Force+* are the ultimate multi-purpose AGM battery, providing powerful starting and cycling power for 4x4's, SUV's, caravans, deep cycle and marine applications.

With the option of angled fitment and a casing made from polypropylene, *Dual Force+* is a strong, insulated and thermoplastic battery built to handle the extreme under-bonnet heat that can be expected during a New Zealand summer. The *Dual Force+* has been designed to handle the constant daily pressure and duress that is needed from a battery that provides cycling capabilities.



- » 4x4 and light commercial starting systems
- » Caravan, RV & recreational camping applications
- » Marine starting and dual battery systems
- » Situations where dependable deep cycle power is required

- ✓ Dual-purpose – starting & cycling applications
- ✓ Durable AGM construction with up to 20x greater vibration resistance
- ✓ Up to 4x more cycle life compared to standard automotive batteries
- ✓ Ideal for applications where a dual battery system cannot be fitted

**24**

MONTH

STARTING


**WARRANTY**

See top and back labels for warranty conditions.

**12**

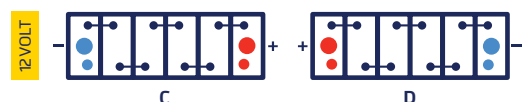
CYCLING



ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 (ALL MEASUREMENTS IN MM)				POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	SPECIAL FEATURES
							L	W	H	TH					
<b>DUAL FORCE+</b>															
648116	24X MF	24/12	12	730	140	75	260	174	200	221	D	21.50	TWIN	SIDE	AGM, CH, FA, MF, VR
648117	24LX MF	24/12	12	730	140	75	260	174	200	221	C	21.50	TWIN	SIDE	AGM, CH, FA, MF, VR
648114	27X MF	24/12	12	750	175	90	302	174	200	220	D	23.50	TWIN	SIDE	AGM, CH, FA, MF, VR
648115	27LX MF	24/12	12	750	175	90	302	174	200	220	C	23.50	TWIN	SIDE	AGM, CH, FA, MF, VR
648118	31X MF	24/12	12	950	200	100	332	172	210	232	D	28.50	TWIN	-	AGM, CH, FA, MF, VR

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

### TWIN-TERMINAL



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

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## Use the following as a guide when examining your batteries:

For batteries used in seasonal applications and stored long term, fully recharge the battery prior to storing. Check the state of charge or voltage regularly. A fully charged Century Deep Cycle battery should have an open circuit voltage (OCV) between 12.6 to 12.8 volts. Should the voltage drop below 12.5V, recharge the battery. It is important to check the battery completely before reconnecting to electrical devices.



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



2. Inspect the terminals, screws, clamps and cables for breakage, damage or loose connections. These should be clean, tight and free of corrosion.

3. Apply a thin coating of high temperature grease to posts and cable connections for added protection.

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



5. 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 over fill 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.



6. When servicing a sealed maintenance free (SMF) battery, check the State of Charge Indicator. This gives you a snap shot of the batteries condition and whether the battery needs to be charged or replaced. If the State of Charge Indicator advises 'Replace' it is important that the battery is replaced as the electrolyte levels may be below the plates which can lead to an internal explosion.



7. Deep Cycle batteries have different charging parameters and require a charger specifically designed for the battery size and type. For charging recommendations, refer to the battery's specification sheet at [www.centurybatteries.co.nz/resources/specification-sheets](http://www.centurybatteries.co.nz/resources/specification-sheets). For assistance in selecting the correct charger visit [www.centurybatteries.co.nz/products/battery-chargers](http://www.centurybatteries.co.nz/products/battery-chargers)

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





For more information on Century's range of products and services, contact your nearest Century sales office on **0800 93 93 93** or visit **[centurybatteries.co.nz](http://centurybatteries.co.nz)**

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Palmerston North 4412

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**Batteries that last and last**

Disclaimer: Century Yuasa Batteries Pty Ltd has compiled the data appearing in this guide from a variety of sources, including automobile manufacturer and unpublished information 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 or recommendations, and in no event shall be liable for loss or damage claimed to have arisen as a result of this guide.