

DEEP CYCLE BATTERIES



centurybatteries.co.nz

Century
Batteries that last and last



DEEP CYCLE

Available in Flooded, AGM and Lithium variants, Century Deep Cycle batteries deliver long-lasting, dependable power for recreational & commercial applications.

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.



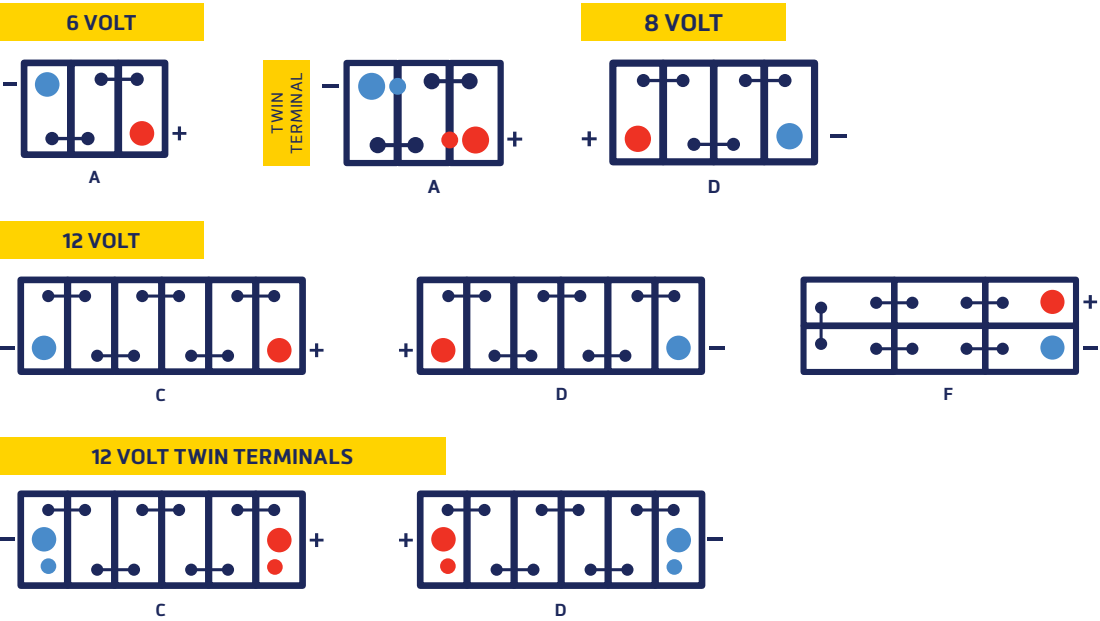
Century Batteries, designed for New Zealand conditions

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.



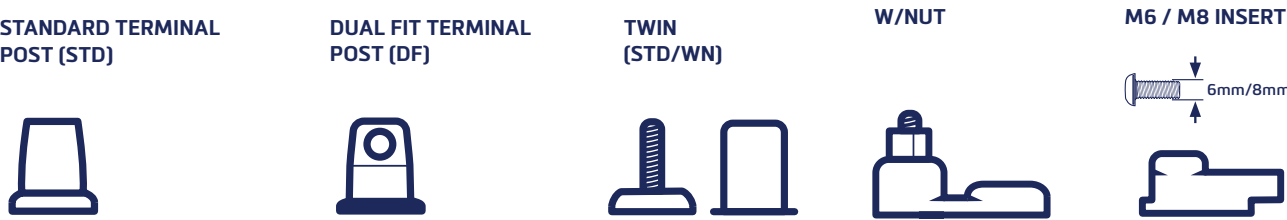
Cell Assembly Layout



Battery Hold-Down



Terminal Types



Special Features Glossary

AGM	Absorbed Glass Mat	FA	Flame Arrestor	MR	Mud Rack
BMS	Battery Management System	GM	Glass Mat Separator	PL	Platelock™ Technology
BT	Bluetooth Monitoring	LI	Lithium-ion	PV	Pressure Valve
CH	Carry Handles	LM	Low Maintenance	QC	Quick Charge
CI	State of Charge Indicator	LPCM	Low Power Consumption Mode	VR	Vibration Resistant
CV	Central Venting	MF	Maintenance Free		



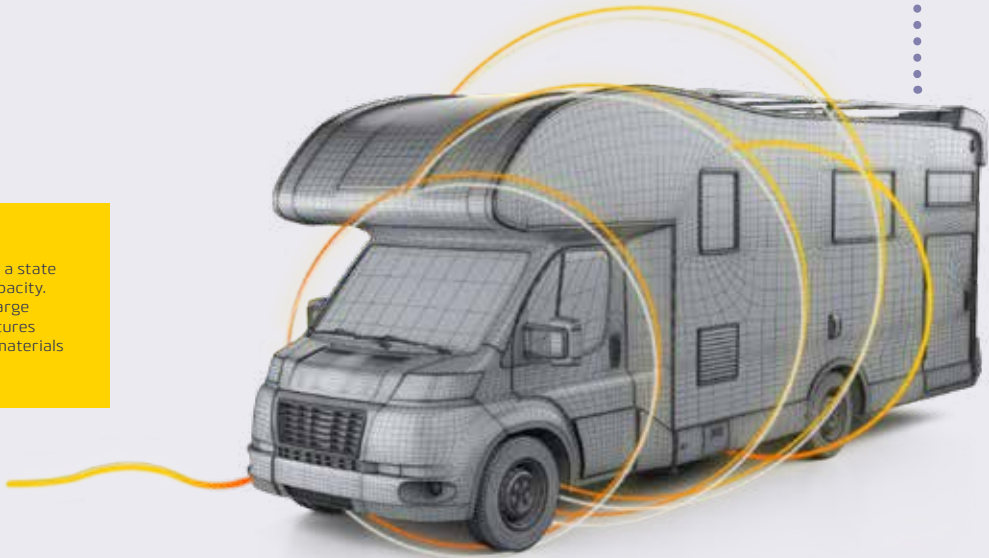
LITHIUM PRO

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
- ✓ Low Power Consumption Mode reduces power consumption when the device is not in use, helping the battery last longer



MOTORHOMES
& RV'S*



BOATS &
YACHTS*



CAMPER TRAILERS
& CARAVANS



PORTABLE SOLAR
APPLICATIONS*



RECREATIONAL &
MOBILITY VEHICLES



4X4 DUAL BATTERY
SYSTEMS*

ITEM ID	BATTERY TYPE	WARRANTY¹	VOLTS	AH @ 20HR	 (ALL MEASUREMENTS IN MM)				POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	 SPECIAL FEATURES
					L	W	H	TH					
					LITHIUM PRO								
117103	C12-100XLi+	60	12	100	307	172	212	217	D	12.60	M8 INSERT	-	BMS, BT, LI, LPCM, QC, VR
117104	C12-150XLi+	60	12	150	307	172	212	217	D	16.50	M8 INSERT	-	BMS, BT, LI, LPCM, QC, VR

Century Lithium Pro batteries have been tested in accordance to industry standards relating to performance and safety. Century Yuasa has 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 (IEC61960)
- 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 Rated



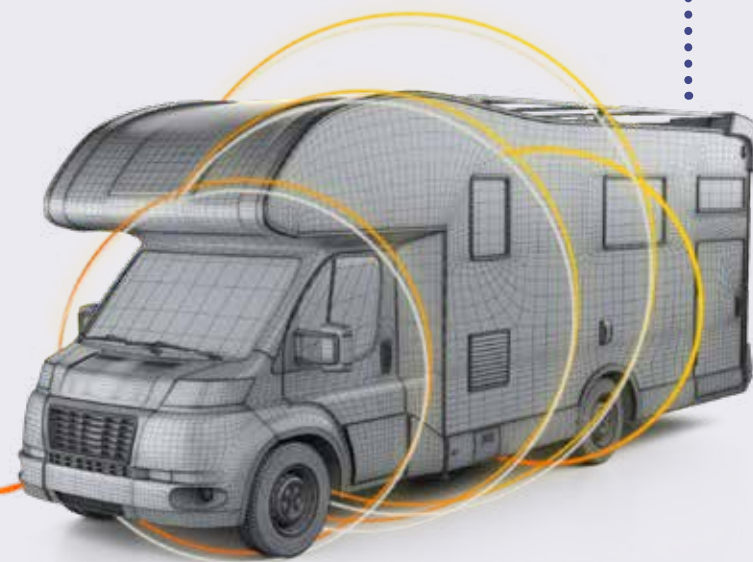
¹Conditions apply. Refer to individual warranty statements attached to each battery.
^{*}Century Lithium Pro batteries are not suitable for cranking/starting and under bonnet, grid connected solar systems or float charge applications.
^{*}When used within recommended operating conditions and in conjunction with a compatible Lithium charger or charging system.
^{*}At 80% DOD. Compared with standard flooded lead acid battery.



DEEP CYCLE FLOODED & AGM

Century Deep Cycle batteries are designed and built to last in the New Zealand environment. 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 shallow-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
STARTING &
SHALLOW-CYCLING



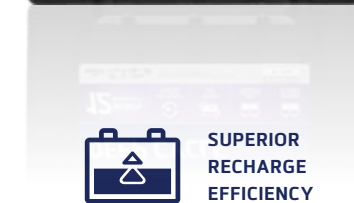
SUPERIOR
CYCLE
LIFE



DEEP
DISCHARGE
CAPABILITY



SUPERIOR
RECHARGE
EFFICIENCY



ITEM ID	BATTERY TYPE	WARRANTY ¹	VOLTS	CCA @ -18°C		RC @ 25°C		AH @ 20HR						POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	 SPECIAL FEATURES
										(ALL MEASUREMENTS IN MM)								
										L	W	H	TH					
DEEP CYCLE PLUS																		
645100	24DC MF	12	12	600	135	82	260	171	202	225	D	18.8	TWIN	SIDE	CH, CI, CV, FA, MF, MR, PL, VR			
645101	27DC MF	12	12	680	160	96	304	172	202	225	D	21.5	TWIN	SIDE	CH, CI, CV, FA, MF, MR, PL, VR			
645104	31DC MF	12	12	680	200	110	330	173	217	239	D	22.5	TWIN	SIDE	CH, CI, CV, FA, MF, MR, PL, VR			

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



ITEM ID	BATTERY TYPE	WARRANTY ¹	VOLTS	AH @ 20HR	 (ALL MEASUREMENTS IN MM)				POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	 SPECIAL FEATURES
					L	W	H	TH					
					DEEP CYCLE FLOODED								
641140	12A	12	6	105	227	172	184	210	A	15.80	STD	-	CH, GM, LM
645103	D23LT MF	12	12	65	232	173	200	225	C	17.3	STD	-	CH, CI, FA, MF



¹Conditions apply. Refer to individual warranty statements attached to each battery.

Deep Cycle.....



Deep Cycle AGM

The ultimate in deep cycle performance. Century Deep Cycle AGM 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^
- ✓ Exceptional shock and vibration resistance to handle the harshest environments



SUPERIOR
CYCLE
LIFE



MAXIMUM DEEP
DISCHARGE
CAPABILITY



SUPERIOR
RECHARGE
EFFICIENCY



MULTI
ANGLE
FITMENT^

ITEM ID	BATTERY TYPE	WARRANTY¹	VOLTS	AH @ 20HR	(ALL MEASUREMENTS IN MM)				POLARITY	WEIGHT (KG)	TERMINAL TYPE	HOLD DOWN	SPECIAL FEATURES
					L	W	H	TH					
					DEEP CYCLE AGM								
648102	LPC6-190	12	6	190	306	168	222	228	A	30.80	M6 INSERT	-	AGM, CH, MF, VR
148130	C105AGM	12	6	225	260	180	263	282	A	30.50	TWIN		AGM, CH, CV, MF, PV, VR
148142	C12-55XDA	36	12	55	229	138	211	216	D	18.00	M6 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148143	C12-75XDA	36	12	75	260	169	211	218	D	23.50	M6 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148140	C12-105XDA	36	12	105	307	169	210	215	D	29.00	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148141	C12-120XDA	36	12	120	328	172	215	220	D	32.00	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148146	C12-165XDA	36	12	165	532	207	214	219	F	50.00	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148147	C12-270XDA	36	12	270	520	268	220	225	F	74.00	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR

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.

- ✓ 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

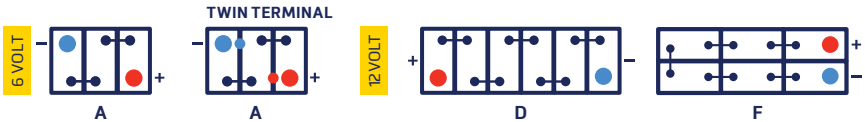


REDUCED
SELF
DISCHARGE

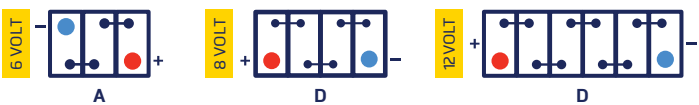


ENHANCED
HEAT
RESISTANCE

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					
					DEEP CYCLE INDUSTRIAL								
641128	C105	12	6	225	264	181	245	276	A	29.79	W/NUT	-	LM, VR
641129	C145	12	6	260	264	181	264	295	A	39.90	W/NUT	-	LM, VR
641130	C8VGC	12	8	170	264	181	245	276	D	31.88	W/NUT	-	LM, VR
641131	C1275	12	12	150	329	181	245	276	D	39.60	W/NUT	-	LM, VR



^ Not suitable for inverted or end mounted use.
¹Conditions apply. Refer to individual warranty statements attached to each battery.



¹Conditions apply. Refer to individual warranty statements attached to each battery.

Dual Force+



4x
MORE CYCLE LIFE*
TO HANDLE INCREASED
ELECTRICAL LOADS &
POWER DEMANDS

UP TO 20x*
GREATER VIBRATION
RESISTANCE FOR
IMPROVED
DURABILITY &
LONGER LIFE

Suitable for use in both starting and shallow-cycling applications, Dual Force+ are a range of multi-purpose AGM batteries designed and built specifically for use in a diverse range of applications where dependable starting power and cycling power is a must.

Unlike many competitor's AGM products, Century's new Dual Force+ range is manufactured using advanced AGM technology and specialist hard wearing Polypropylene cases which makes them ideal for use in under bonnet applications where heat, fluids and other contaminants can damage products not built to the same specifications. The products are supplied with twin terminals, a dual warranty and an array of advanced design features to ensure long lasting dependable power in a range of applications:

- » 4x4 and light commercial starting systems
- » Marine starting and cycling
- » Caravan, RV & recreational camping applications
- » Dual battery systems

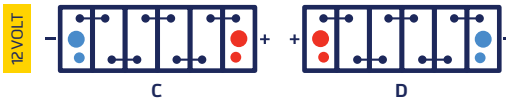
- ✓ Dual-purpose – starting & shallow-cycling applications
- ✓ Durable AGM construction with up to 20x greater vibration resistance
- ✓ Up to 4x more cycle life compared to standard automotive batteries
- ✓ Ideal for applications where a dual battery system cannot be fitted

24 MONTH WARRANTY*
STARTING See top and back labels for warranty conditions.
12 MONTH WARRANTY*
CYCLING



ITEM ID	BATTERY TYPE	WARRANTY¹	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					
DUAL FORCE⁺															
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

TWIN-TERMINAL



†Conditions apply. Refer to individual warranty statements attached to each battery.
NOTE: Fitting batteries adjacent to a direct heat source such as turbo chargers may lead to shortened battery life.
*24 months for private use, 12 months for commercial use.

Choosing the right battery

	DEEP CYCLE PLUS	FLOODED	INDUSTRIAL	AGM	DUAL FORCE+	LITHIUM PRO
PERFORMANCE						
Long Cycle Life	✓	✓✓	✓✓	✓✓✓✓	✓✓	✓✓✓✓✓
Superior Deep Discharge Capabilities	✓	✓✓	✓✓	✓✓✓✓	✓✓✓	✓✓✓✓✓
Fast Recharging	✓	✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓✓✓
Multi Angle Fit	-	-	-	✓✓✓	✓✓✓	✓✓✓
Heat Tolerance	✓✓	✓✓✓	✓✓✓	✓✓	✓✓	✓✓
Low Gassing	✓✓	-	-	✓✓✓	✓✓✓	✓✓✓✓
Resistance to Vibration	✓✓	✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓✓
Low Self-Discharge	✓✓	✓	✓	✓✓✓	✓✓✓	✓✓✓✓
Starting Applications (Cranking)	✓✓✓	-	-	-	✓✓✓	-
APPLICATIONS						
Under Bonnet Use	✓	✓	-	-	✓	-
Recreational Vehicles	✓	✓	✓	✓	✓	✓
Golf Carts	-	-	✓	✓	✓	✓
Golf Trundlers	-	-	-	✓	-	-
Marine Systems	✓	✓	✓	✓	✓	✓
Caravan & Camper Trailers	✓	✓	✓	✓	✓	✓
Dual Battery Systems*	✓	✓	✓	✓	✓	✓
Solar Power Systems*	-	✓	✓	✓	✓	✓
Mobility Scooters	-	✓	-	✓	-	✓
Industrial Applications	-	-	✓	✓	✓	-

*Only Deep Cycle Flooded and Dual Force+ batteries are designed to be used under bonnet. *Portable solar only.



Battery Charging

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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.

1. Turn the charger off before attaching, rocking or removing the terminal clamps.
2. Keep open flames and sparks away from the battery.
3. Keep vent caps in place.
4. Charge in well ventilated area.
5. Follow the battery charger manufacturer's instructions to avoid overheating.

Dangerous explosive gases are generated during the charging process that can be ignited by a variety of sources including, sparks, naked flames and static electricity.

It is highly recommended to wear PPE (Personal Protection Equipment) including safety glasses, chemical resistant gloves and overalls.



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. Flooded, Absorbed Glass Mat (AGM), Gel and Lithium battery types require different charging specifications to provide optimum performance and service life.



Charging Voltage (for manual chargers)

Monitoring battery voltage during charging is extremely important to reduce the risk of overcharging and to check the progress of the battery during recharge. Always keep inside the parameters outlined in the below table. Failure to do so can result in permanent damage to the battery.

CHARGE VOLTAGE BY BATTERY TYPE

TYPE	ABSORPTION CHARGING	FLOAT CHARGING
Flooded (Maintainable/SMF)	14.4 to 14.8V	13.2 to 13.5V*
AGM (Absorbed Glass Mat)	14.6 to 14.8V	13.6 to 13.8V
Gel Electrolyte	14.2 to 14.4V	13.6 to 13.8V
Lithium (LFP)	14.4V^	N/A

- » The recommended temperature during charging is 25°C. Charging must be paused if the battery reaches 50°C.
- » The above specifications are for 12 volt lead acid and Lithium (LFP) batteries. When charging 6 volt batteries, halve the voltage specifications provided.
- » When charging Lithium batteries please follow manufacturers recommended guidelines as detailed in user manual or on the battery
- » In addition to following the battery charging voltage guidelines, selecting the correct charging current (Amps) for the battery size is crucial to provide performance and service life.

*We do not recommend to float charge flooded Sealed Maintenance Free (calcium) batteries due to risk of drying out of the electrolyte.

^14.4V is recommended (refer to product spec sheets in case of exception).



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 charging current for this battery would be 10 Amps.

Slow charging is the best way to recharge a lead acid battery. Fast charging a lead acid battery by increasing the recommended amperes may cause undue stress and shorten battery life.

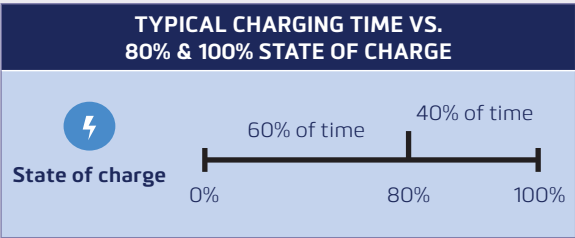
CONSTANT CURRENT CHARGING METHOD (AMPS X HOURS)

CHARGING CHART		Product Rated Capacity							
		Rc (minutes)	< 65	65-80	81-105	106-120	121-150	151-170	171-185
		Ah @ 20hr	31-40	41-50	51-60	61-70	71-80	81-90	91-100
OCV	SOC %	Charging Current (10% of Ah)	4A	5A	6A	7A	8A	9A	10A
12.48~12.54	70~75%	Charging Time	3 Hours						
12.36~12.48	60~70%		5 Hours						
12.24~12.36	50~60%		6 Hours						
12.12~12.24	40~50%		8 Hours						
12.00~12.12	30~40%		9 Hours						
Below 11.99	<30%		12 Hours						

- » Due to efficiency aspects, the charge amount must be more than the discharged amount. This coefficient factor can be between 110% to 150%.
- » The deeper the discharge, the higher the coefficient factor.

Note: Charging must be paused when the temperature rises above 50°C

CHARGING TIME



It will take about 60% of the total charging time to charge a lead acid battery to 80%, and the remaining 40% of the time to put the last 20% of charge back into the battery.

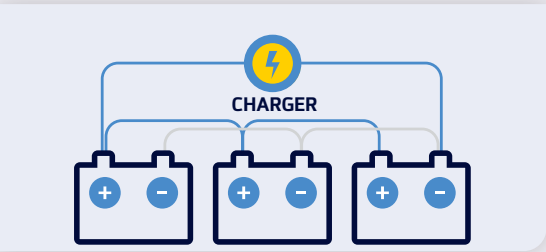


IMPORTANT NOTE: Avoid quick charging as this only charges the surface of the battery plates and can increase the chance of overheating, leading to permanent battery damage.

The recharging duration is difficult to determine due to variables such as:

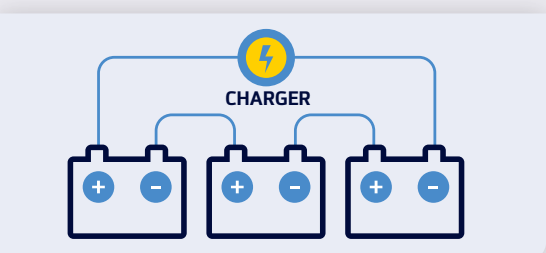
- » Depth of discharge
- » Temperature
- » Size and efficiency of the charger
- » Age and condition of the battery
- » For a guide, refer to the constant current charging method table

CONNECTING BATTERIES – PARALLEL CONNECTION



- » When connecting multiple 12 volt batteries in parallel, you are increasing the capacity of the battery bank while maintaining the voltage. E.g. 3 x 12 volt 60Ah batteries when parallel connected will create a 12 volt 180Ah bank.
- » When connected to a battery charger, the charging current is divided between all the batteries in the bank. E.g. A 15 amp charger connected to 3 batteries will provide up to 5 amps current into each battery.

CONNECTING BATTERIES – SERIES CONNECTION



- » When connecting 12 volt batteries in series, you are increasing the voltage of the battery bank while maintaining the capacity. E.g. 3 x 12 volt 60Ah batteries when series connected will create a 36 volt 60Ah bank.
- » When charging batteries in series, you must have the correct voltage charger for the number of batteries in the bank. E.g. If you have 3 x 12 volt batteries in series, you must use a 36 volt charger.

Lithium Pro Charging Information

Century Lithium Pro batteries must be fully charged before first use. They can be recharged up to 10x faster than traditional lead acid batteries resulting in less down time and quicker deep discharge recovery. They should only be recharged using a charger or charging system configured for lithium batteries and be charged in line with the recommended charging rates, temperatures and settings as outlined in product specification sheet.

Battery Care & Maintenance^

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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 battery's 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. For assistance in selecting the correct charger visit www.centurybatteries.co.nz/products/battery-chargers

*Always follow manufacturers guidelines.
*Lead acid batteries only.



Battery Health & Safety^



Battery Acid

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



First Aid

For advice, call Poison Centre in New Zealand 0800 764 766 quoting SULPHURIC ACID & UN Number 2794/2800, or call a doctor/physician 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.

If **Electrolyte is Swallowed**, do NOT induce vomiting - give a glass of water. Seek immediate medical assistance.



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.



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.



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**

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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.