

# Century

Batteries that last and last



## DEEP CYCLE BATTERIES



## 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 Flooded, AGM and Gel batteries built strong for Australia's harsh environment and tough operating conditions. Designed to provide superior deep cycling performance in a diverse range of recreational & commercial applications.



CENTURY BATTERIES IS AUSTRALIA'S OLDEST AND MOST RECOGNISED BATTERY MANUFACTURER WITH A PROUD HISTORY OF DESIGNING AND MANUFACTURING BATTERIES IN AUSTRALIA SINCE 1928.

Our reputation for quality and innovation has been refined and demonstrated over many decades. In this time we have developed the manufacturing expertise and technical know-how to develop a range of batteries better suited to Australia's extreme climate and harsh conditions.

Today we pride ourselves in offering our customers a range of market leading products and services which continue to set new standards in technology and performance.

DEEP CYCLE

## CHOOSING THE RIGHT BATTERY



CENTURY DEEP CYCLE RANGE	FLOODED	AGM	GEL	INDUSTRIAL
<b>PERFORMANCE</b>				
Long Cycle Life	● ●	● ● ●	● ● ●	● ● ●
Superior Deep Discharge Capabilities	● ●	● ●	● ● ●	● ●
Fast Recharging	● ●	● ● ●	● ● ●	● ●
Multi Angle Fit	-	● ● ●	● ● ●	-
Under Bonnet Use	● ● ●	-	-	-
Heat Tolerance	● ● ●	●	● ●	● ● ●
Low Gassing	-	● ● ●	● ● ●	-
Resistance to Vibration	● ●	● ● ●	● ● ●	● ●
Low Self-Discharge	● ●	● ● ●	● ● ●	● ●
<b>APPLICATIONS</b>				
Recreational Vehicles	●	●	●	●
Golf Carts	●	-	-	●
Golf Trundlers	-	●	●	-
Marine Systems	●	●	●	●
Caravan & Camper Trailers	●	●	●	●
4WD (under bonnet)	●	-	-	-
Dual Battery Systems	●	● ^	● ^	● ^
Solar Power Systems	●	●	●	●
Mobility Scooters	●	●	●	-
Industrial Applications	-	-	-	●

\*Warranty void if mounted under bonnet





# Deep Cycle Flooded

Designed and built in Australia for our extreme climate and harsh operating conditions. Suitable across a range of applications including under bonnet use.

- » Maintainable design for maximum control over battery life
- » Superior performance in hotter environments
- » Designed to withstand repeated recharge and discharge cycles
- » Superior deep discharge capabilities



SUPERIOR DEEP DISCHARGE CAPABILITIES
 FOR UNDER BONNET USE
 SUPERIOR HEAT TOLERANCE
 DESIGNED & BUILT FOR AUSTRALIAN CONDITIONS
 MADE IN AUSTRALIA
 12 MONTH WARRANTY

# Deep Cycle AGM

The ultimate in deep cycle performance, featuring Absorbed Glass Mat (AGM) technology. Ideal for multi angle and hard to reach fitments.

- » Long cycle life
- » Fast recharging capabilities
- » Designed to withstand repeated recharge and discharge cycles
- » Improved strength, durability and vibration resistance



LONG CYCLE LIFE
 FAST RECHARGING CAPABILITIES
 MULTI ANGLE FITMENT - SPILL PROOF
 SUPERIOR VIBRATION RESISTANCE
 MAINTENANCE FREE DESIGN
 12 MONTH WARRANTY

# Deep Cycle Gel

Extremely robust deep cycle batteries featuring Gel Electrolyte Technology. Ideal for applications where multi angle fitment and repeated recharge and discharge cycles are required.

- » Long cycle life
- » Superior deep discharge capabilities
- » Fast recharging capabilities
- » Improved strength, durability & vibration resistance



SUPERIOR DEEP DISCHARGE CAPABILITIES
 LONG CYCLE LIFE
 FAST RECHARGING CAPABILITIES
 MULTI ANGLE FITMENT - SPILL PROOF
 MAINTENANCE FREE DESIGN
 12 MONTH WARRANTY

ITEM ID	BATTERY TYPE	VOLTS	AH @ 20HR	DIMENSIONS (mm)				POLARITY	WEIGHT (KG)	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
				L	W	H	TH					
<b>DEEP CYCLE FLOODED</b>												
141114	12A	6	105	227	173	184	205	A	15.8	STD	-	CH, GM, LM
141115	43T	12	40	230	133	199	215	C	10	DF	END	CH, GM, LM
141119	D23RT	12	65	231	171	202	225	D	17.1	STD/WN	-	CH, CI, GM, LM, MIA, MR, PL, VR
141120	D23LT	12	65	231	171	202	225	C	17.1	STD/WN	-	CH, CI, GM, LM, MIA, MR, PL, VR
141118	NS70T	12	75	260	171	202	222	D	20.5	STD/WN	SIDE	CH, CI, GM, LM, MIA, MR, PL, VR
145107	NS70TX MF	12	82	260	171	202	222	D	18.6	STD/WN	SIDE	CH, CI, CV, FA, GM, MF, MR, PL, VR
141121	N70T	12	100	306	171	202	222	D	25.1	STD/WN	-	CH, CI, GM, LM, MIA, MR, PL, VR
145106	N70TX MF	12	95	302	172	202	225	D	21.2	STD/WN	SIDE	CH, CI, CV, FA, GM, MF MR, PL, VR
141105	86T	12	85	347	172	212	232	C	24.6	STD	-	CH, GM, LM, MR, VR
141116	89T	12	125	245	175	260	285	C	34	STD	-	CH, GM, LM, MR, VR
<b>DEEP CYCLE AGM</b>												
148108	C12-32DA	12	32	166	175	125	125	C	8.1	M5 INSERT	-	AGM, CV, FA, MF, PV, RP, VR
148102	C12-55DA	12	58	229	138	210	235	D	18	M6 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148103	C12-75DA	12	75	260	169	210	235	D	23.5	M6 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148100	C12-105DA	12	105	307	169	210	235	D	29	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148101	C12-120DA	12	120	328	172	222	222	D	32	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148104	C12-125DA	12	125	407	177	225	225	D	35	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148105	C12-140DA	12	140	340	173	280	285	D	41.5	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148106	C12-165DA	12	165	530	209	214	219	F	50	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
148107	C12-270DA	12	270	520	268	220	225	F	74	M8 INSERT	-	AGM, CH, CV, FA, MF, PV, VR
<b>DEEP CYCLE GEL</b>												
142102	C12-40DG	12	37	198	166	171	171	C	13.2	M6 INSERT	-	CH, CV, FA, GEL, MF, VR
142101	C12-75DG	12	70	260	169	210	235	D	23.5	M6 INSERT	-	CH, CV, FA, GEL, MF, VR

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



# Industrial Deep Cycle

A range of flooded lead-acid batteries featuring thicker, heavier battery plates, heavy duty internal connections and high density shock resistant paste to provide superior current flow and exceptional vibration resistance. Ideal for use in both commercial and recreational applications.

- » Xi Crystal Plate Technology provides enhanced performance, charging characteristics and improved battery life
- » Positive speed cap venting system for easy maintenance and durability
- » Highest initial capacity in their class
- » Exceptional shock and vibration resistance



**12**  
MONTH WARRANTY

HIGHER CYCLE LIFE
 FAST RECHARGING CAPABILITIES
 SUPERIOR VIBRATION RESISTANCE
 MADE IN USA
 XI CRYSTAL PLATE TECHNOLOGY

ITEM ID	BATTERY TYPE	VOLTS	AH @ 20HR	Dimensions (mm)				POLARITY	WEIGHT (KG)	TERM. TYPE	HOLD DOWN	SPECIAL FEATURES
				L	W	H	TH					
<b>GOLF CARTS &amp; MULTI PURPOSE</b>												
141122	C2320 UT US	6	232	260	181	244	286	A	28	UT	-	LM, MRF, SCVS, VR, XI
141130	C2320 UTL US	6	232	260	181	244	273	A	28	UTL	-	LM, MRF, SCVS, VR, XI
141111	C105*	6	225	264	181	245	276	A	29.79	W/NUT	-	LM, VR
141112	C145*	6	260	264	181	264	295	A	39.9	W/NUT	-	LM, VR
141123	C8VGC US	8	170	260	181	244	273	D	29.2	UTL	-	LM, MRF, SCVS, VR, XI
141113	C8VGC*	8	170	264	181	245	276	D	31.88	W/NUT	-	LM, VR
141124	C12V US	12	155	333	179	244	279	D	39	UTL	-	CH, LM, MRF, SCVS, VR, XI
141117	C1275*	12	150	329	181	245	276	D	47.82	W/NUT	-	LM, VR
<b>FLOOR SWEEPER/SCRUBBER &amp; MULTI PURPOSE</b>												
141122	C2320 UT US	6	232	260	181	244	286	A	28	UT	-	LM, MRF, SCVS, VR, XI
141130	C2320 UTL US	6	232	260	181	244	273	A	28	UTL	-	LM, MRF, SCVS, VR, XI
141111	C105*	6	225	264	181	245	276	A	29.79	W/NUT	-	LM, VR
141128	C27DC US	12	105	324	171	202	238	C	26.6	Twin	SIDE	CH, LM, MRF, VR, XI
141129	C31DC US	12	130	330	171	219	240	D	29.7	Twin	-	CH, LM, MRF, VR, XI
<b>SCISSOR LIFT, WORK PLATFORMS &amp; MULTI PURPOSE</b>												
141130	C2320 UTL US	6	232	260	181	244	273	A	28	UTL	-	LM, MRF, SCVS, VR, XI
141111	C105*	6	225	264	181	245	276	A	29.79	W/NUT	-	LM, VR
141125	C16 US	6	385	302	181	385	425	A	50	Large 'L'	-	LM, MRF, SCVS, VR, XI
141131	C16 S US	6	385	302	181	385	416	A	50	Off-set 'S'	-	LM, MRF, SCVS, VR, XI
141126	C16HC US	6	420	302	181	385	425	A	54	Large 'L'	-	LM, MRF, SCVS, VR, XI
141132	C16HC S US	6	420	302	181	385	416	A	54	Off-set 'S'	-	LM, MRF, SCVS, VR, XI
<b>MARINE &amp; MULTI PURPOSE</b>												
141122	C2320 UT US	6	232	260	181	244	286	A	28	UT	-	LM, MRF, SCVS, VR, XI
141130	C2320 UTL US	6	232	260	181	244	273	A	28	UTL	-	LM, MRF, SCVS, VR, XI
141111	C105*	6	225	264	181	245	276	A	29.79	W/NUT	-	LM, VR
141127	C24DC US	12	85	283	171	222	238	C	23	Twin	SIDE	CH, MRF, VR, XI, LM
141128	C27DC US	12	105	324	171	202	238	C	26.6	Twin	SIDE	CH, MRF, VR, XI, LM
141129	C31DC US	12	130	330	171	219	240	D	29.7	Twin	-	CH, MRF, VR, XI, LM

For charging recommendations, refer to the battery's specification sheet at [centurybatteries.com.au/resources/specification-sheets](http://centurybatteries.com.au/resources/specification-sheets)  
 \*Supplied from a different supplier, not US made. Xtreme Crystal Plate Technology is not featured in this product.  
 †Conditions apply. Refer to individual warranty statements attached to each battery.

## 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.

The more accessories in use the more available energy consumed. Consumption of the battery's capacity is referred to as 'discharging' the battery.



## CALCULATING YOUR (Ah) REQUIREMENTS

THE SIZE AND TYPE OF DEEP CYCLE BATTERY YOU SELECT IS DEPENDENT ON THE APPLICATION AND CONDITIONS OF USE. IT IS IMPORTANT TO ENSURE THERE IS SUFFICIENT BATTERY CAPACITY TO POWER THE EQUIPMENT BEING USED.

Use the following guide to help determine the right size battery for your needs:

- 1 Add the power consumption (watts) of each item of equipment being used = **Total Watts**
- 2 Calculate the estimated time of use in hours = **Total Hours**
- 3 Calculate power consumption by multiplying Total Watts x Total Hours = **Watt Hours (Wh)**
- 4 Add a 50% safety net **Power Consumption = Watt Hours (Wh) x 2**
- 5 Convert power consumption into Ah capacity (Ah) = **Power Consumption Watt Hours (Wh) / Total Battery Voltage**
- 6 Refer to Deep Cycle product tables to select a suitably rated battery for your application

### EXAMPLE

- 1 & 2. Calculate power consumption & time of use**
- » Refrigerator, 40W for 10 hours = (40 x 10) = 400Wh
  - » Lights, 20W for 4 hours = (20 x 4) = 80Wh
  - » Winch, 90W for 0.2 hours = (90 x 0.2) = 18Wh
- 3. Total power consumption (Watt Hours (Wh))**  
 = (400+80+18) = 498Wh

- 4. Add a 50% safety net**
- » Power Consumption (Wh x 2) = (498 x 2) = 996Wh

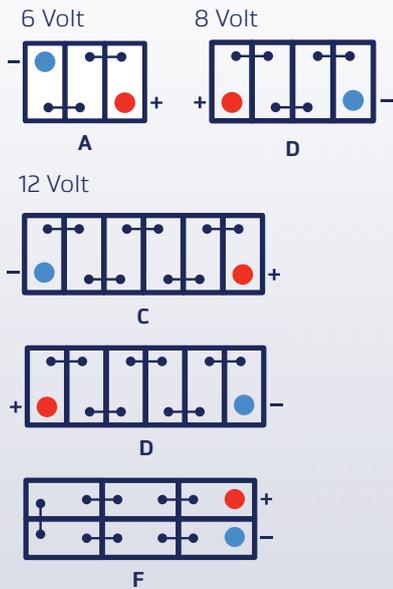
- 5. Convert Power Consumption to Ah (12V battery)**
- » Power Consumption (Wh) / Battery Voltage = (996/12) = 83Ah

- 6. Choose a Deep Cycle battery with a minimum 83Ah**

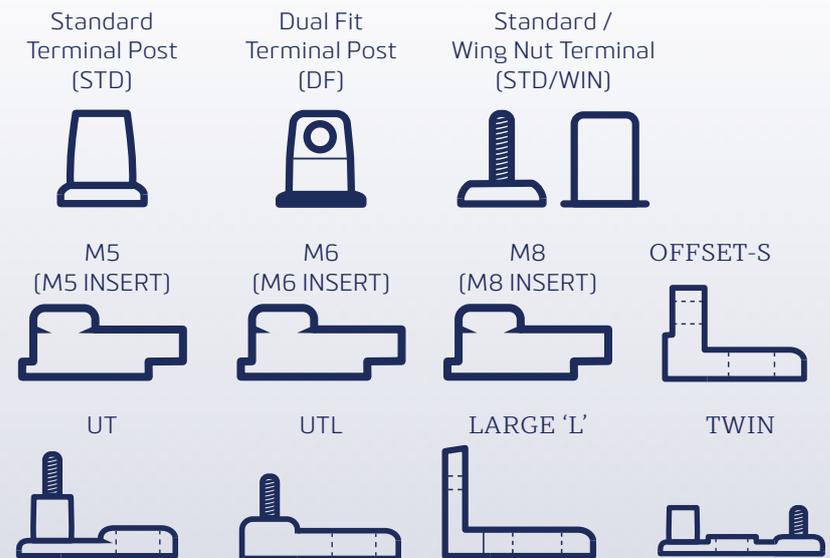
### WHY ADDING A 50% SAFETY NET IS IMPORTANT

Although deep cycle batteries are designed to handle regular discharge and recharge cycles, once the battery is discharged past 50% of its capacity (Ah) it will dramatically reduce the life of the battery over time.

## CELL LAYOUT



## TERMINAL TYPES



## SPECIAL FEATURES GLOSSARY

<b>AGM</b>	Absorbed Glass Mat	<b>GM</b>	Glass Mat Separator	<b>PL</b>	Platelock Technology
<b>CH</b>	Carry Handles	<b>LM</b>	Low Maintenance	<b>PV</b>	Pressure Value
<b>CI</b>	State of Charge Indicator	<b>MIA</b>	Made in Australia	<b>SCVS</b>	Speed Cap Venting System
<b>CV</b>	Central Venting	<b>MRF</b>	Microrib Flexsil Separator	<b>VR</b>	Vibration Resistant
<b>FA</b>	Flame Arrestor	<b>MF</b>	Maintenance Free	<b>Xi</b>	Xi Crystal Plate Technology
<b>GEL</b>	Gel Electrolyte Technology	<b>MR</b>	Mud Rack		

## BATTERY MAINTENANCE

To prevent short service life and premature battery failure, always ensure the battery is fully charged when not in use. 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.

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.com.au/resources/specification-sheets](http://www.centurybatteries.com.au/resources/specification-sheets)

For more information on Century's range of products and services, visit [www.centurybatteries.com.au](http://www.centurybatteries.com.au)

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