



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
POWER





CHOOSING THE RIGHT BATTERY

| CENTURY DEEP CYCLE RANGE |  |  |  |  |
|---|---|---|---|---|
| | FLOODED | AGM | GEL | INDUSTRIAL |
| PERFORMANCE | | | | |
| 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 | ● | ● ● ● | ● ● ● | ● |
| APPLICATIONS | | | | |
| 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.



THE CENTURY BATTERIES DIFFERENCE

CENTURY'S RANGE OF DEEP CYCLE BATTERIES CONTINUE TO BUILD ON OUR REPUTATION FOR QUALITY AND INNOVATION.

Century Deep Cycle batteries are built strong for Australia's harsh environment and tough operating conditions. Designed and manufactured using the toughest internal components and latest design features, Century Deep Cycle batteries deliver long-lasting, dependable deep cycle power.



Based on N70T battery.

1 CAST PLATE

Thicker, full frame plate provides increased strength and lower internal resistance, promoting improved vibration resistance and longer service life.

2 ENHANCED PLATE PASTE

Enhanced paste formulation reduces water loss and improves charge acceptance for superior performance and longer life.

3 GLASS MAT SEPARATORS

Constrains the paste into the plate, improving cyclic durability and increasing vibration resistance.

4 MUD RACK

Improves plate support providing greater vibration and shock resistance. Isolates paste deposits to prevent short circuits.

5 POLYPROPYLENE CASE

Reinforced design provides durability to withstand shock and vibration.

6 CARRY HANDLE

Ergonomic design provides a thicker grooved carry handle for comfort.

7 STATE OF CHARGE INDICATOR

For on the spot diagnosis of battery condition.

8 CAST ON STRAP

Thicker cast on strap ensures durability and lower electrical resistance for longer battery life.

9 PLATELOCK™ TECHNOLOGY

Combats vibration and damage from rough, uneven road conditions.

10 TWIN TERMINAL

To safely connect additional accessories to the battery.



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

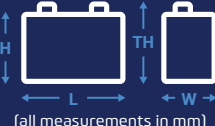







DESIGNED
& BUILT FOR
AUSTRALIAN
CONDITIONS



MADE IN
AUSTRALIA[†]



| ITEM ID | BATTERY TYPE | VOLTS | AH @ 20HR |  | | | |  |  |  |  |  |
|--------------------|--------------|-------|-----------|---|-----|-----|-----|---|---|--|---|---|
| | | | | L | W | H | TH | POLARITY | WEIGHT | TERM. TYPE | HOLD DOWN | SPECIAL FEATURES |
| DEEP CYCLE FLOODED | | | | | | | | | | | | |
| 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, 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, MF, MR, PL, VR |
| 141134 | N70T | 12 | 102 | 305 | 171 | 202 | 225 | D | 25 | 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, 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 | 345 | 175 | 260 | 285 | C | 34 | STD | - | CH, GM, LM, MR, VR |

[†] Conditions apply. Refer to individual warranty statements attached to each battery. [‡] Selected items only.



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

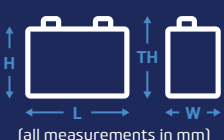







SUPERIOR VIBRATION RESISTANCE



MAINTENANCE FREE DESIGN



| ITEM ID | BATTERY TYPE | VOLTS | AH @ 20HR |  | | | |  |  |  |  |  |
|----------------|--------------|-------|-----------|---|-----|-----|-----|---|---|--|---|---|
| | | | | L | W | H | TH | POLARITY | WEIGHT | TERM. TYPE | HOLD DOWN | SPECIAL FEATURES |
| DEEP CYCLE AGM | | | | | | | | | | | | |
| 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 |

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





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 | (all measurements in mm) | | | | | | | | |
|----------------|--------------|-------|-----------|------------------------------|-----|-----|-----|---|------|-----------|---|-------------------------|
| | | | | L | W | H | TH | | | | | |
| DEEP CYCLE GEL | | | | | | | | | | | | |
| 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.

CAR BATTERIES VS DEEP CYCLE BATTERIES

CAR BATTERIES ARE SPECIALLY DESIGNED TO PROVIDE A SHORT, SHARP BURST OF POWER IN ORDER TO CRANK OVER AND START THE VEHICLE'S ENGINE.

Only a relatively small portion of the battery's capacity is used and this is restored by the vehicle's alternator. Car batteries have thinner lead grids and active material to maximise plate surface area, delivering greater starting power. However they are not suitable for providing long periods of power.

Deep Cycle batteries are constructed using thicker battery plates and a denser active material, to withstand repeated charge and discharge cycles.

Rather than providing high bursts of power for short periods of time, they are specially designed to deliver sustained power with lower current draw over extended periods of time. Repeated cycling does not cause the same level of damage that a car battery would sustain during the same usage.



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
- » Highest initial capacity in their class
- » Exceptional shock and vibration resistance



HIGHER
CYCLE
LIFE



FAST
RECHARGING
CAPABILITIES



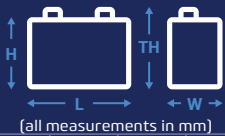





SUPERIOR
VIBRATION
RESISTANCE



MADE
IN USA

Xi CRYSTALPLATE
TECHNOLOGY

12
MONTH
WARRANTY[†]

| ITEM ID | BATTERY TYPE | VOLTS | AH @ 20HR |  | | | |  |  |  |  |  |
|--|--------------|-------|-----------|---|-----|-----|-----|---|---|--|---|---|
| | | | | L | W | H | TH | POLARITY | WEIGHT | TERM. TYPE | HOLD DOWN | SPECIAL FEATURES |
| | | | | | | | | | | | | |
| GOLF CARTS & MULTI PURPOSE | | | | | | | | | | | | |
| 141122 | C2320 UT US | 6 | 232 | 260 | 181 | 244 | 286 | A | 28 | UT | - | LM, MRF, VR, Xi |
| 141130 | C2320 UTL US | 6 | 232 | 260 | 181 | 244 | 273 | A | 28 | UTL | - | LM, MRF, 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, 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, VR, Xi |
| 141117 | C1275* | 12 | 150 | 329 | 181 | 245 | 276 | D | 47.82 | W/NUT | - | LM, VR |
| FLOOR SWEEPER/SCRUBBER & MULTI PURPOSE | | | | | | | | | | | | |
| 141122 | C2320 UT US | 6 | 232 | 260 | 181 | 244 | 286 | A | 28 | UT | - | LM, MRF, VR, Xi |
| 141130 | C2320 UTL US | 6 | 232 | 260 | 181 | 244 | 273 | A | 28 | UTL | - | LM, MRF, 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 |
| SCISSOR LIFT, WORK PLATFORMS & MULTI PURPOSE | | | | | | | | | | | | |
| 141130 | C2320 UTL US | 6 | 232 | 260 | 181 | 244 | 273 | A | 28 | UTL | - | LM, MRF, 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, VR, Xi |
| 141131 | C16 S US | 6 | 385 | 302 | 181 | 385 | 416 | A | 50 | OFFSET-S | - | LM, MRF, VR, Xi |
| 141126 | C16HC US | 6 | 420 | 302 | 181 | 385 | 425 | A | 54 | LARGE 'L' | - | LM, MRF, VR, Xi |
| 141132 | C16HC S US | 6 | 420 | 302 | 181 | 385 | 416 | A | 54 | OFFSET-S | - | LM, MRF, VR, Xi |
| MARINE & MULTI PURPOSE | | | | | | | | | | | | |
| 141122 | C2320 UT US | 6 | 232 | 260 | 181 | 244 | 286 | A | 28 | UT | - | LM, MRF, VR, Xi |
| 141130 | C2320 UTL US | 6 | 232 | 260 | 181 | 244 | 273 | A | 28 | UTL | - | LM, MRF, 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, LM, MRF, VR, Xi |
| 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 |

For charging recommendations, refer to the battery's specification sheet at centurybatteries.com.au/resources/specification-sheets

* Supplied from a different supplier, not US made. Xi 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 = $(40 \times 10) = 400\text{Wh}$
- » Lights, 20W for 4 hours = $(20 \times 4) = 80\text{Wh}$
- » Winch, 90W for 0.2 hours = $(90 \times 0.2) = 18\text{Wh}$

3. Total power consumption (Watt Hours (Wh))

$$= (400 + 80 + 18) = 498\text{Wh}$$

4. Add a 50% safety net

$$\text{» Power Consumption (Wh} \times 2) = (498 \times 2) = 996\text{Wh}$$

5. Convert Power Consumption to Ah (12V battery)

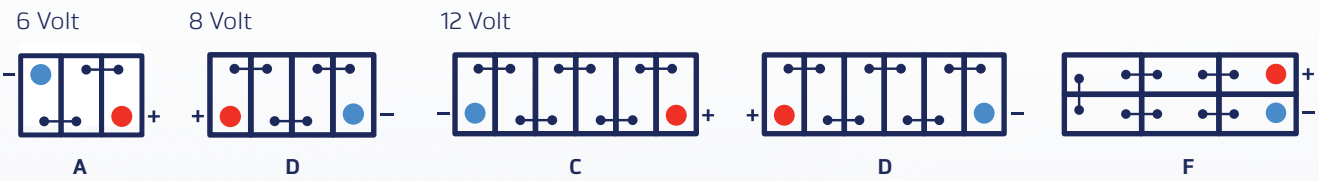
$$\text{» Power Consumption (Wh) / Battery Voltage} \\ = (996 / 12) = 83\text{Ah}$$

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

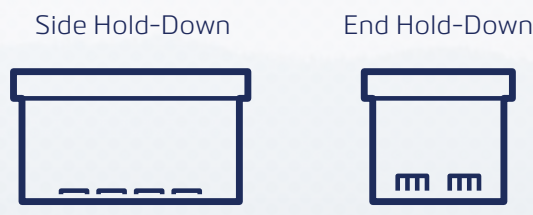
i WHY ADDING A 50% SAFETY NET IS IMPORTANT

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.

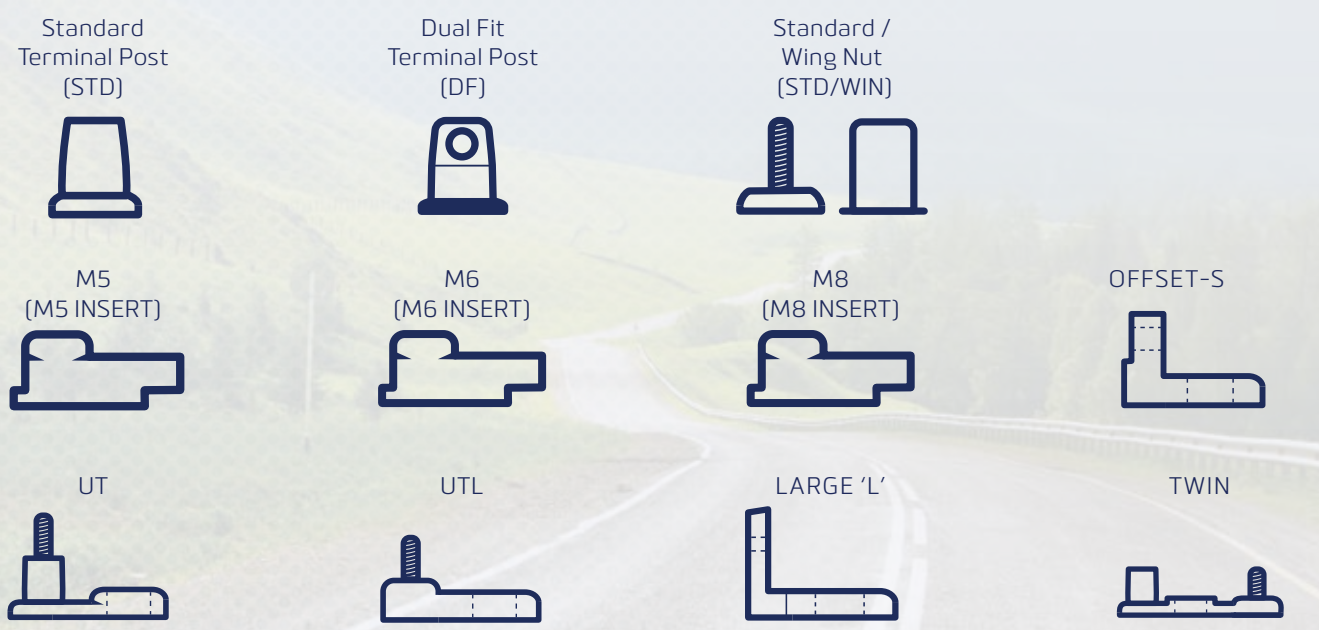
CELL LAYOUT



BATTERY HOLD-DOWN



TERMINAL TYPES



SPECIAL FEATURES GLOSSARY

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



BATTERY CARE & MAINTENANCE[^]

USE THE FOLLOWING AS A GUIDE WHEN EXAMINING YOUR BATTERY:

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.



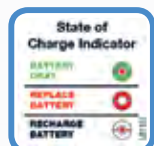
2. Inspect the terminals, screws, clamps and cables for breakage, damage or loose connections. These should be clean, tight and free of corrosion.



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 Charge Indicator. The Charge Indicator gives you a snap shot of the batteries condition and whether the battery needs to be charged or replaced. If the charge indicator advises 'Replace Battery' 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.com.au/resources/specification-sheets. For assistance in selecting the correct charger visit www.centurybatteries.com.au/products/battery-chargers

8. The threaded post connection must only be used for low current accessories. Not for cranking applications. If the threaded terminal is used for cranking applications the battery warranty becomes void.

For more information on Century's
range of products and services,
visit centurybatteries.com.au



Batteries that last and last



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