

Choosing the Right Battery

The size and type of the most suitable deep cycle battery is dependant on the applications and conditions of use. Use the following guide to help determine the right size battery:

1. Work out 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**.
4. Add 30% safety net = Power Consumption x 1.3
5. Convert Power Consumption into Ah to 80% depth of discharge
$$\frac{\text{Power Consumption (Wh)}}{\text{Total Battery Voltage} \times 0.8}$$

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 = **498Wh**
4. 30% Safety Net
Power Consumption (Wh) x 1.3 = (498 x 1.3) = **648W**
5. Convert power consumption to Battery Ah (80% of discharge)

$$\text{Capacity (Ah)} = \frac{\text{Power Consumption (Wh)}}{\text{Total Battery Voltage} \times 0.8} = \frac{648}{(12 \times 0.8)} = \mathbf{68Ah}$$

Available from:-



Dispose of your used battery responsibly visit recyclemybattery.com.au or call 1300 650 702 to find your nearest approved Battery Recycling Centre.

Century
Batteries that last and last

For more information call **13 22 87**

CB103-1198

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Deep Cycle
GEL Batteries

LONG LASTING DEEP CYCLE POWER



www.centurybatteries.com.au



Century Gel Batteries are designed to provide long lasting, dependable power in the harshest of operating conditions and environments.

The Century Gel range incorporates gel electrolyte technology which holds the internal battery plates in an immobilised gel, not liquid electrolyte, making them extremely robust, resistant to vibration damage and will not spill or leak even when accidentally tipped upside down.

The use of Gel technology means that Century Gel Batteries are completely Maintenance Free, requiring no topping up of any liquid electrolyte, whilst the valve regulated sealed design ensures they can be installed in confined areas or hard to reach locations without the need for regular accessibility.

Dependable Performance

Century Deep Cycle Gel Batteries incorporate a range of advanced design features to maximise durability and cycle life performance. They offer improved recovery from a deep discharge or when temporarily stored in a discharged state and deliver longer cycles of power when compared with equivalent flooded Deep Cycle Batteries.

Long lasting **Deep Cycle power**



Century
Batteries that last and last



Typical Applications

Century Gel Batteries are ideal where true deep cycle performance is required for recreational vehicles and accessories, electric powered vehicles, scooters, wheelchairs and solar systems. For recreational and marine use, they offer superior Deep Cycle performance for a large range of auxiliary equipment including:

- | | | | |
|--------------------|---|------------------------------|---|
| • Refrigerators | ✓ | • Air compressors | ✓ |
| • Lighting | ✓ | • Inverters (for 240V power) | ✓ |
| • Televisions | ✓ | • Electric outboard engines | ✓ |
| • DVD / CD players | ✓ | • Navigation Systems | ✓ |

Peace of Mind

Century Deep Cycle Gel Batteries are backed by a fully comprehensive nationwide warranty and supported with Australia's most extensive sales and distribution network. This gives you the peace of mind that your battery is covered against faulty materials and workmanship for up to 12 months and that a team of battery specialists are on hand to service your battery needs.



Please note that fuel, oil and other engine lubricants may damage battery casing material and as such it is strongly recommended to avoid mounting in under bonnet applications and invalidating the warranty.

Century GEL Specifications

Model	Warranty Months*	(V)	Ah Rate @ 20 hr	Nominal Overall Dimensions (mm)				Terminal
				L	W	H	TH	
C12-40DG	12	12	40	198	166	171	171	M6 Insert
C12-55DG	12	12	55	229	138	210	235	M6 Insert
C12-65DG	12	12	65	350	167	180	183	M6 Insert
C12-75DG	12	12	75	260	169	210	235	M6 Insert
C12-100SDG	12	12	100	307	169	210	235	M8 Insert

* Warranty void if mounted under bonnet.