

DUAL FORCE⁺

MULTI-PURPOSE AGM BATTERY

STARTING & CYCLING



centurybatteries.com.au

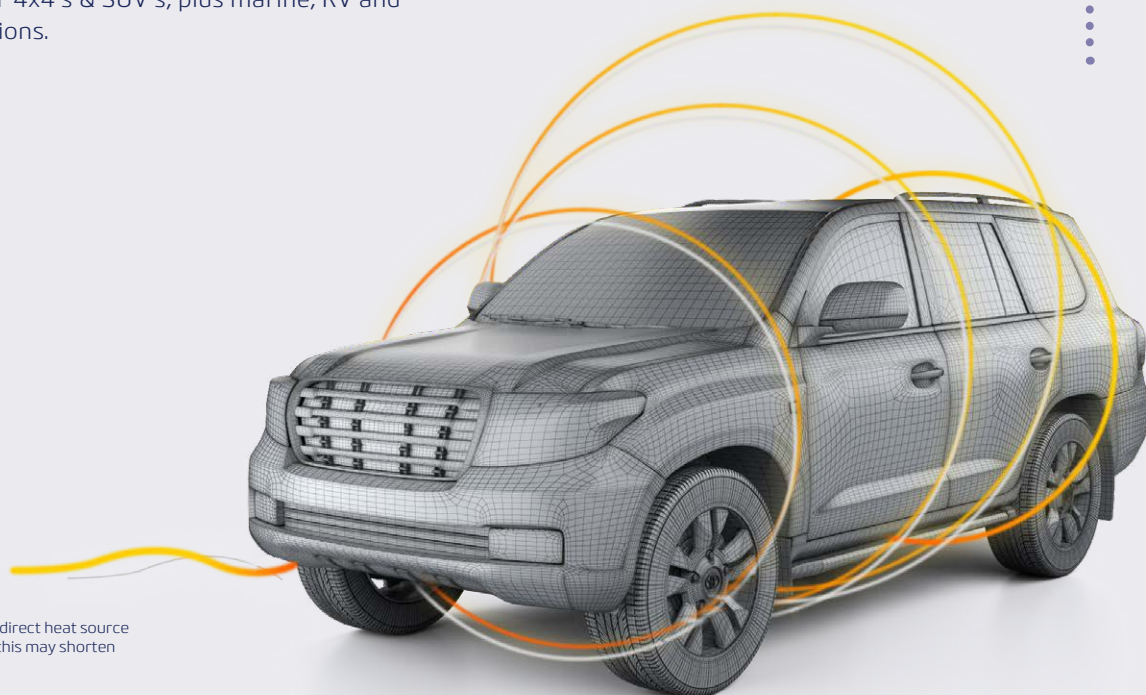
Century
Batteries that last and last



DUAL FORCE⁺

Century's *Dual Force⁺* are a range of dual purpose starting & semi-cycling AGM batteries designed for under-bonnet use* in some of the harshest terrains Australia has to offer.

Incorporating the strength and durability needed to provide long lasting power, with the added advantage of starting capabilities, this makes *Dual Force⁺* the perfect choice for 4x4's & SUV's, plus marine, RV and camping applications.



* Avoid fitting adjacent to a direct heat source such as a turbocharger, as this may shorten overall battery life.

Dual Force+

Suitable for use in both starting and semi-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 *Dual Force+* range is manufactured using advanced AGM technology and a specialist hard wearing Polypropylene case 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
- » Caravan, RV & recreational camping applications
- » Marine starting and dual battery systems
- » Situations where dependable cycling 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



ITEM ID	BATTERY TYPE	WARRANTY†	VOLTS	CCA -18°C	RC @ 25°C	AH @ 20HR	 (ALL MEASUREMENTS IN MM)				 POLARITY	 WEIGHT	 TERM. TYPE	 HOLD DOWN	 SPECIAL FEATURES
							L	W	H	TH					
							DUAL FORCE+								
148116	24X MF	24/12	12	730	140	75	260	174	200	221	D	21.50	TWIN	SIDE	AGM, CH, FA, MF, VR
148117	24LX MF	24/12	12	730	140	75	260	174	200	221	C	21.50	TWIN	SIDE	AGM, CH, FA, MF, VR
148114	27X MF	24/12	12	750	175	90	302	174	200	223	D	23.50	TWIN	SIDE	AGM, CH, FA, MF, VR
148115	27LX MF	24/12	12	750	175	90	302	174	200	223	C	23.50	TWIN	SIDE	AGM, CH, FA, MF, VR
148118	31X MF	24/12	12	950	200	100	332	172	210	232	D	28.50	TWIN	-	AGM, CH, FA, MF, VR

Absorbed Glass Mat (AGM) Technology

Century *Dual Force+* batteries utilise absorbed glass mat technology which suspends liquid electrolyte within highly porous glass fibre mat separators. These separators act as a sponge like material, absorbing the loose electrolyte, eliminating acid leaks and spills whilst delivering superior vibration resistance. The maintenance free design avoids the need for regular topping up of electrolyte levels and enables fitment in hard to reach locations without the need for regular accessibility.

† Conditions apply. Refer to individual warranty statements attached to each battery. *Compared to standard flooded lead acid batteries.
NOTE: Fitting batteries adjacent to a direct heat source such as turbo chargers may lead to shortened battery life.

Cell Assembly Layout



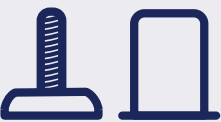
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12 VOLT TWIN TERMINALS



Terminal Types

TWIN
(STD/THREADED)



Battery Hold-Down



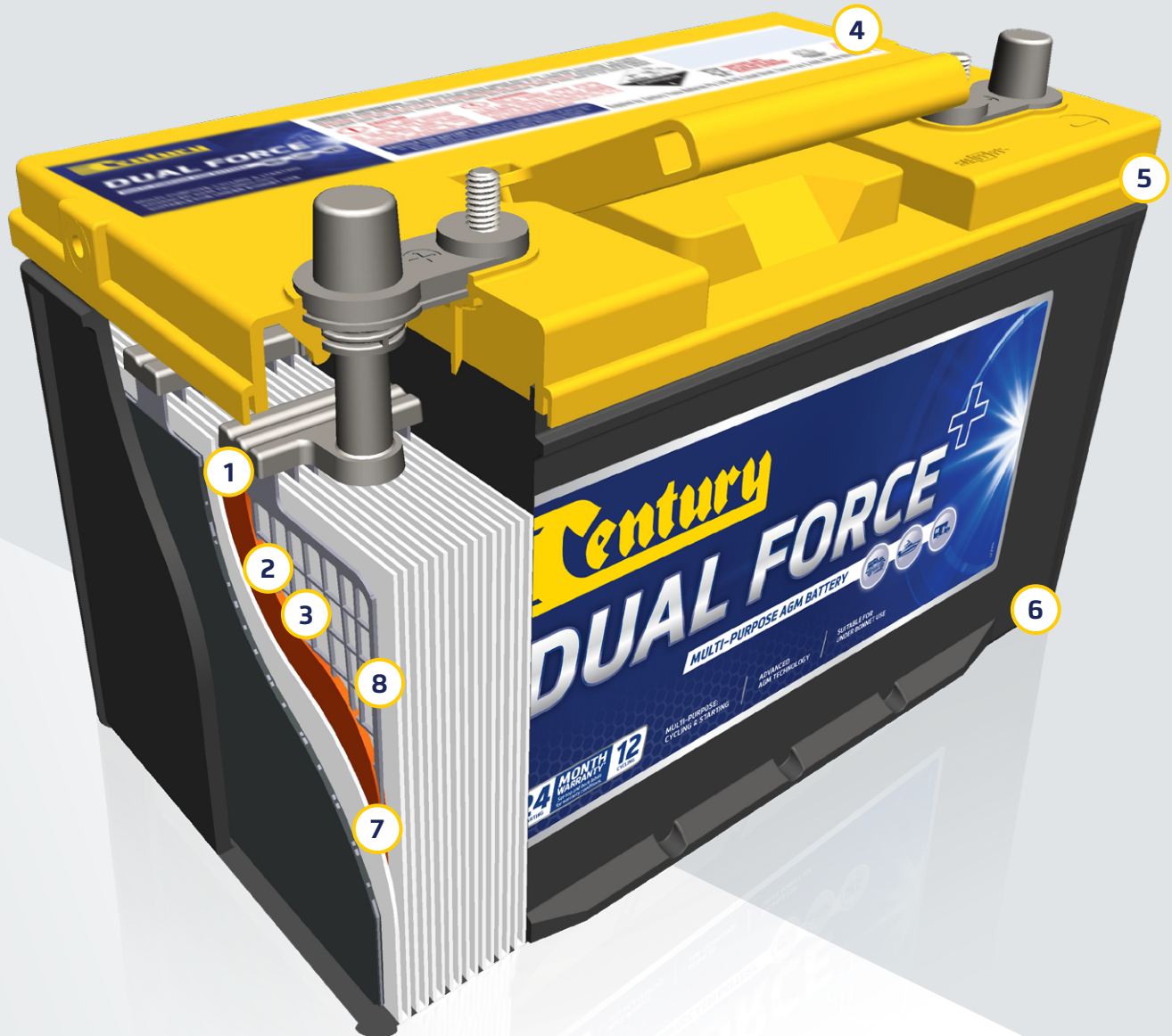
SIDE HOLD-DOWN

Special Features Glossary

AGM	Absorbed Glass Mat	CH	Carry Handles	FA	Flame Arrestor
MF	Maintenance Free	VR	Vibration Resistant		

Advanced AGM Technology

Century's Dual Force+ are a range of true multi-purpose batteries incorporating advanced design features and specialist internal components to deliver superior starting and cycling performance.

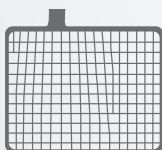


1 ADVANCED AGM SEPARATOR

- High porosity envelope AGM separator improves electrolyte dispersion for increased cycle life and vibration resistance.

2 X-FRAME ROUNDED EDGE GRID

- Improves strength, reduces grid growth, prevents short circuit & separator puncture.



3 WAVE STRUCTURE

- Helps prevent shedding of active materials.



4 SPECIALIST SAFETY VALVES

- Release excessive pressure & gasses from overcharging.

5 MAINTENANCE FREE, NON-SPILLABLE DESIGN*

- Spill proof design enables multi-angle fitment in hard to reach locations.

6 REINFORCED POLYPROPYLENE CASE

- Suitable for under bonnet use.
- Vibration & impact resistant.
- Assists with heat dispersion.

7 HIGH DENSITY ACTIVE PASTE

- Added carbon improves cycling & overall life.

8 THICKER PLATES

- 20% thicker plates enhances life, durability and cycling capability.

**Ensure cables are clean & tight. Not suitable for inverted use.*

90° Side Mounting

The advanced AGM technology and heat sealed lid provides a spill proof design, enabling 90° side mounted* fitment for safe use in cabins and other hard to reach locations.

**Not suitable for inverted or end mounted use*

Charging & Testing

Dual Force+ batteries can be tested using DHC or Midtronics testing equipment available from Century Batteries and selecting the AGM option in battery technology.

The Century CC1206 and CC1212-XLi battery chargers are ideal for charging the *Dual Force+* range.



Warranty

The Century *Dual Force+* range is supplied with a dual warranty for both starting and cycling applications as per the following conditions:

Private Use: Starting 24 months / Cycling 12 months

Commercial Use: Starting 12 months / Cycling 6 months

Warranty void for Taxi use and in vehicles fitted with ISS systems.



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

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