



# Low Maintenance Accessible Batteries fit with confidence!

All ACDelco Low Maintenance Accessible batteries feature lead calcium expanded grids (Lead Calcium Technology) for resistance to corrosion, overcharging, gassing, water usage, self discharge and thermal runaway, all of which limit battery life in conventional lead antimony batteries.

## FEATURES & BENEFITS:

- / Accessible coin top vent caps ( most batteries ) to allow filling if required - Coin top vent caps also allow easier fitment for applications that require a flat top for top hold down bracket mounting.
- / Polypropylene Case - Reinforced design is precisely tailored to support the battery elements, a strong durable material to withstand road shock and vibration. Combines light weight with high impact strength.
- / Integrated or rope/plastic handle (most batteries) - For ease of transport and installation.
- / Centered cast on plate strap - Stronger than thinner gas-burned conventional connectors.
- / Heat Sealed Covers - Help's prevent electrolyte contamination and increase case strength.
- / Low resistance Envelope Separators - Encapsulated negative plates help to prevent shorting/treeing between negative and positive plates as well as aid in vibration durability.
- / Increased battery shelf life - Up to 6 months shelf life without charging due to the use of Calcium/Calcium grids. (Compared to conventional batteries.)



**ACDelco offers a comprehensive Product Range to suit Most Makes & Models.**

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**Suits Most Makes Most Models**

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# Low Maintenance Accessible Batteries

Comparison of ACDelco LMA Batteries to Conventional Batteries		
ACDelco Low Maintenance Accessible Batteries (calcium/calcium)	VS	Typical Conventional Lead Antimony Batteries
Reduced testing and maintenance required compared to Conventional Lead Antimony Batteries		Require frequent checking and testing
All feature latest Calcium/Calcium grid technology		Generally use older type lead antimony cast grids
Very low water loss rate (on most part numbers)		Higher water loss rate
Accessible coin top vent caps to allow filling if required (most part numbers)		– Require fill caps allowing electrolyte leakage that can reduce life, corrodes terminals, wiring and battery tray – Required regular maintenance resulting in potential acid contact
Highly resistant to heat damage		Vulnerable to high temperature
Excellent resistance to vibration and road shock		Less resistant to vibration and road shock
Very low self-discharge rate, up to 6 months storage life		High self-discharge rate – Less than 4 months storage life when filled
Low gassing rate, reduces the explosion hazard during charging.		High gassing rate, increases the explosion hazard during charging
Reduced recycling frequency ( due to longer life ) results in reducing environmental pollution		– High recycling frequency results in higher amount of scrapped batteries – Acid / Lead handling increases exposure to the environment
Polypropylene Case – Combines light weight with high impact strength		
Centered cast on plate strap – Stronger than thinner gas-burned conventional connector		
Separator Envelopes – Encapsulate plates to prevent shorting		
Integrated or rope/plastic handle – For ease of transport and installation (most part numbers)		

## WARRANTIES FOR ACDELCO LOW MAINTENANCE ACCESSIBLE BATTERIES:

- |                          |           |                                      |           |
|--------------------------|-----------|--------------------------------------|-----------|
| / Car - Private Use..... | 24 Months | / Trucks/Commercial/Industrial ..... | 12 Months |
| / SUV & 4WD .....        | 12 Months | / Taxi .....                         | 6 Months  |

**For full application details refer to the ACDelco Battery catalogue available from your ACDelco Distributor or Stockist or download it from [www.acdelco.com.au](http://www.acdelco.com.au)**

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