



Sealed Maintenance-Free Batteries fit with confidence!

All ACDelco SMF batteries feature lead calcium expanded grids (Lead Calcium Technology) for improved resistance to corrosion, overcharging, gassing, water usage, self discharge and thermal runaway, all of which limit battery life in conventional lead acid batteries. The range includes batteries to suit Cranking/Starting (traditional automotive), High Cycle, Dual Purpose Starting/Deep Cycle and Deep Cycle applications.

FEATURES & BENEFITS:

- / Built in Hydrometer (Most Batteries) – Indicates state of charge.
- / Factory-sealed - Makes these batteries truly maintenance-free.
- / Polypropylene Case - Reinforced design is precisely tailored to support the battery elements to withstand road shock and vibration. This strong durable material combines light weight with high impact strength.
- / Liquid-Gas Separator Area – Returns liquid to reservoir for longer life.
- / Integrated or rope handle- For ease of transport and installation.
- / Flame Arrestor – Safety system, prevents explosion from sparks outside the battery, minimizes acid leakage, prevents inflow of dust.
- / Heat Sealed Covers – Helps prevent electrolyte contamination and increase case strength.
- / Centered cast on plate strap - Stronger than thinner gas-burned conventional connectors.
- / 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 12 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.

For your nearest ACDelco Automotive Parts Stockist call 1800 ACDelco

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Suits Most Makes Most Models

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Sealed Maintenance-Free Batteries

Comparison of ACDelco SMF Batteries to Conventional Batteries		
ACDelco Sealed Maintenance Free Batteries (Calcium/Calcium)	VS	Typical Conventional Lead Antimony Batteries
Routine testing and maintenance not required		Require frequent checking and testing
All feature latest Calcium/Calcium grid technology		Generally use older type lead antimony cast grids
Inbuilt hydrometer – Check the charge of the battery at a glance		
Very low water loss rate		Higher water loss rate
Completely sealed design eliminates electrolyte leakage		– Require fill caps allowing electrolyte leakage that can reduce life, corrodes terminals, wiring and battery tray – Required regular maintenance resulting in potential acid contact
Liquid-Gas Separator Area – Returns liquid to reservoir for longer life		
Acid contact risks eliminated		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
Extremely low self-discharge rate, up to 12 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
No acid handling. Batteries are filled at the factory		Acid handling can increase exposure to the environment
Centered cast on plate strap – Stronger than thinner gas-burned conventional connectors		
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		
Separator Envelopes – Encapsulate plates to prevent shorting		
Integrated or rope/plastic handle – For ease of transport and installation (most part numbers)		

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

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ACD6518

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