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## Federated AGM Battery Upgrade

Instead of having lead plates suspended in an acid bath as seen in a conventional battery, Federated's Absorbed Glass Mat (AGM) Battery utilizes micro-porous glass mats which absorb the electrolyte, creating a spillproof battery which is 20 times more resistant to vibration and has twice the cycle capabilities of a typical flooded battery. The AGM technology provides premium maintenance-free starting and its faster charging capabilities allow it to power more electronics for a longer period of time, a feature that is especially important with the large amount of electronics used in today's modern vehicles.



The AGM Professional Series Battery is available not only for cars and trucks, but for commercial trucks, marine vessels, electric vehicles, ATVs, or other vehicles and applications that require optimized accessory, starting, and deep cycle power. They are ideal for performance and off-road vehicles, high-amp stereo systems, hydraulic lift kits, or other high-powered vehicle accessories. The spillproof and leakproof design makes them safer to use around expensive electronics or equipment.

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The Enhanced Electrolyte Suspension System is comprised of special glass mats that absorb electrolyte and contribute to its spillproof design.



## Features & Benefits of Federated AGM Technology

- Premium maintenance-free starting and cycle service power
- 20 times more vibration protection\* safeguards battery performance over time
- Faster recharging powers more electronics longer
- Two times the cycle life\* extends performance and life
- Spillproof design provides added protection for sophisticated electronic equipment

\* Compared to conventional designs





# TechTalk

BY FEDERATED AUTO PARTS

# Features & Benefits

## Why Do Customers Need Federated AGM Technology?

### Increased Accessory Power Demands

With the increased usage of electronic gadgets installed or plugged into today's vehicles, excessive accessory power drains occur more frequently than ever before. Federated AGM Batteries help prevent a no-start situation with faster recharging and two times more cycle life\*.

### Severe Service with Higher Temperatures

With almost two times the endurance\* in severe service, Federated AGM Batteries withstand the severe service and higher temperature conditions occurring more frequently in today's vehicles due to less open space under the hood and more demand on the battery.

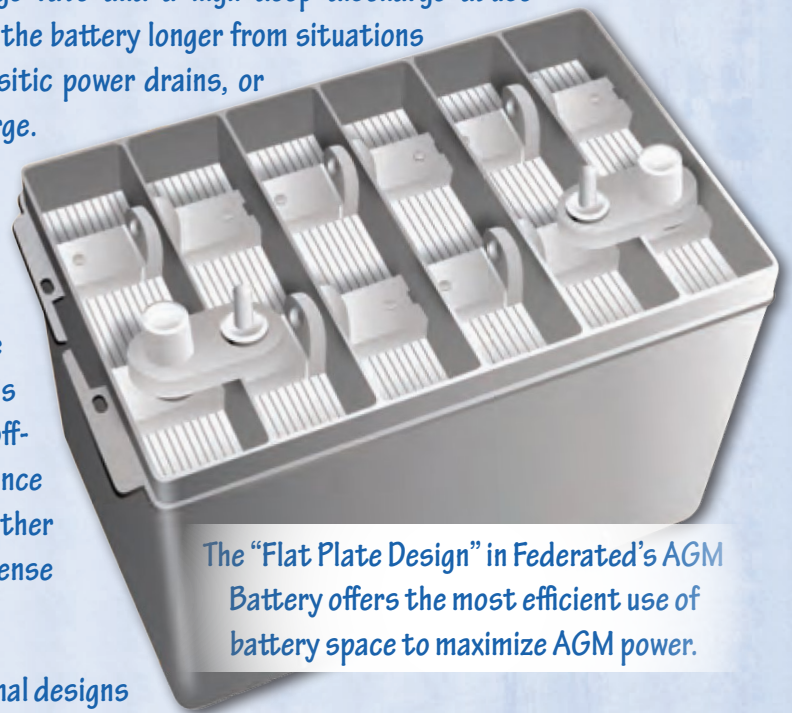
### Infrequent Use, Parasitic Loads, or Accidental Power Drains

A very low self-discharge rate and a high deep discharge abuse tolerance helps protect the battery longer from situations like infrequent use, parasitic power drains, or other deep power discharge.

### The Damaging Effects of Vibration

With up to 20 times more vibration resistance\*, the Federated AGM Battery is extremely beneficial for off-road vehicles or performance cars, watercraft, or other vehicles that undergo intense vibration.

\* Compared to conventional designs



The "Flat Plate Design" in Federated's AGM Battery offers the most efficient use of battery space to maximize AGM power.



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