



DEEP CYCLE / STARTING BATTERIES FOR OFF-ROAD & OTHER SPECIALTY APPLICATIONS

Demand more from your vehicle? Then get more from your battery. OPTIMA® batteries are made for the extremes. If you have an extreme vehicle, you expect high performance. Whether your vehicle is made to take the abuse of off-road driving or cranking out decibels, you need more from your battery. OPTIMA batteries with patented Spiralcell® Technology deliver that performance. The deep cycle characteristic of this technology coupled with its extreme resistance to vibration provides performance vehicles with the repetitive power they need in a spill proof package.

Some of the advantages of this patented technology over standard batteries include:

- **Over 15 times more vibration resistance**
- **Up to 2 times longer life**
- **Installs in almost any position**
- **Spill-proof**
- **Maintenance free**

OPTIMA is made to install and forget. No matter the conditions, be it dampness, heat, dirt or exposure to extremes in vibration or regular discharge, it is guaranteed to deliver uninterrupted power throughout the entire discharge cycle. The ability to hold a higher voltage during the discharge cycle makes it possible to utilize more of the stored power in the OPTIMA, compared to ordinary batteries.



OPTIMA
BATTERIES
THE ULTIMATE POWER SOURCE™



WWW.OPTIMABATTERIES.COM



THE ANATOMY OF POWER

OPTIMA SPIRALCELL® TECHNOLOGY



A UNIQUE FORMULA

OPTIMA's unique anatomy is built on Spiralcell® Technology. Instead of flat plates used in ordinary batteries, OPTIMA uses two thin lead plates wound into a spiral cell with a glass-mat between to contain the acid. The technique of winding the cells, which are linked with solid connections, gives maximum performance with a minimum of size and weight. This makes the battery compact, robust and easy to mount.

Maximum durability

The electrolyte solution is contained in a sealed system, surrounded by a durable and weather resistant plastic, and completely welded together. Neither bumps, collisions, nor sudden temperature changes can interrupt power supply or allow the battery to leak.

Considerably longer life span

The thin lead plates give more lead surface area than traditional lead/acid batteries. The design minimizes resistance and gives even pressure over the entire lead surface, providing fast energy and an extra long life span. The larger lead surface also allows faster recharging than regular batteries. In a traditional flooded battery

heat causes increased acid density due to gassing which shortens battery life. This will never happen to an OPTIMA battery. Thanks to the AGM (Absorbed Glass Mat) construction and recombination process you will never have to add water.

Maintenance free

A major difference from ordinary batteries is that OPTIMA batteries are maintenance free because of the sealed system and no flowing electrolyte. No corrosion can form around the posts.

Easy mounting

The sealed system allows the battery to be

permanently mounted in any angle, making it ideal for installation in narrow spaces.

Maximum starting power

The technology gives maximum and sure starting power regardless of temperature or the number of deep discharges. Compact OPTIMA batteries have been tested starting large diesel motors in outdoor temperatures from +40° to -40° Celsius.

Very low self discharge

OPTIMA batteries are ideal for seasonal use. The low rate of self discharge guarantees plenty of starting power even after long periods of storage.

AUTHORIZED OPTIBUTOR / DEALER

Brought to you by the makers of **AMARON**®



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