THE FIRST AGM DEEP CYCLE BATTERY: DETAIL-ENGINEERED THE CROWN WAY
OBJECTIVE

Build A Better Deep Cycle AGM Battery.

Innovation is at the core of Crown Battery’s strategic vision. We innovate to find solutions. Some of our solutions become industry standards for product design and manufacturing practices. For Crown Battery — innovation is a tradition.

With CROWN1 AGM batteries, innovation became an ideal by applying a simple philosophy: “If you’re going to do it, do it right.” So everything — from the most refined raw materials, to a custom-engineered manufacturing system, to the experienced people in our plant who volunteered to make the CROWN1 — everything had to be better. And it is.

Advanced process technology ensures the highest levels of quality and dependability. People around the world perform increasingly complex work that requires the highest levels of reliability from energy storage sources. The technology behind CROWN1 batteries assure the power demands of people throughout the world — making life easier, healthier and more productive.

The Power Behind Performance = Value

Beyond a broad product array, beyond a long history of delivering power to customers throughout the world, there’s a design principle here that’s even more important to our customer philosophy: It’s called real value. It’s a rare commodity in a world of choices for energy storage and one where you receive more than what you pay for. And with CROWN1 you’ll find our AGM Deep Cycle Batteries deliver one of the highest value positions in the global energy storage marketplace.

➤ No Watering.
➤ No Gassing.
➤ No Maintenance.
➤ No Comparison.
➤ Literally.

CROWN1. This kind of power inspires imagination. The kind you’ve come to expect from Crown.
PERFORMANCE. ATTITUDE.

Advanced Plate Construction
Heavier, thicker plate construction with more active material and an inset plate lug delivers longer discharge times, increased tolerance for deep cycle service and improved recharging performance in comparison with flooded batteries.

Spillproof & Maintenance Free with Universal Terminals
Crown’s sealed and certified non-spillable AGM design eliminates the need for watering service and related maintenance to make shipping and deployment easy and cost-effective, while the batteries’ standard dual terminal design ensures universal application fitment.

SolidCast™ Grid
Crown’s full-frame SolidCast grids are constructed with more lead and uniform wire thickness across the grid structure to hold and retain active material for longer life and durability.

Robust Cell Design
Crown’s modern solid-cast C.O.S. and cell construction, featuring heavier and more efficient current carrying structures and unmatched uniformity, delivers more power under load, lower internal resistance and best-available protection from vibration.

AGM Separator
Ultra high-strength glass mat separator utilizes advanced composites to absorb and distribute electrolyte and enables superior recovery from deep discharge cycling and high efficiency charging service.
Crown collaborated with advanced battery production technology partners to design what has become a breakthrough in battery manufacturing technology: Crown’s inline AGM COS production process. This cutting-edge technology demonstrates a consistent, accurate and highly efficient process that moves raw materials to a finished battery. There is nothing quite like it in the industry… a manufacturing process designed around customer expectations for the end product…the CROWN1.

**AMBITIOUS INVESTMENT**

**AGM ROBOTIC CELL INSERTION PROCESS**

After cells are unloaded from the assembly process using an 80-kg robot and then automatically inserted into battery containers. This process ensures cells maintain full compression and are seated firmly inside the battery container prior to final assembly.

**AGM PLATE WRAPPING & STACKING**

Advanced AGM plate wrapper automatically delivers the highest levels of repeatable quality—ensuring product integrity and performance.

**AGM INLINE CELL ASSEMBLY**

Cells are loaded and move through a completely automated C.O.S. assembly process. The Inline C.O.S. Assembly process is a “Best-in-Class” manufacturing feature that delivers finished product integrity benefits that are unmatched in competitive terms.

**AGM VISION SYSTEM**

This advanced process capability safeguards product integrity by verifying key battery components are correctly oriented and inserted into the container.

CROWN1. The unique engineering integrity of our manufacturing process is unmatched. Worldwide.
Purpose Built:

Solving complex application challenges that keep people safe and delivers reliable power to complete essential work.

- All Critical Applications
- Maintenance Free
- Super Clean AGM Lead Batteries
- Safest, Most Sustainable Energy Storage Option
- Robust Design Tolerates Deep Discharge
- Sealed, Spillproof and Easy to Deploy

The Power Behind Performance

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