

MK Battery[®]



Our Mission

To provide the highest quality, most environmentally responsible sealed battery solutions for specialized deep-cycle and standby power applications.

We take pride in our dedicated people and in our total commitment to offering the most reliable products, world-class service and support, and maximum overall value to the diverse markets we serve.

President's Message

In 1975, when I went to work for my dad's company, servicing wheelchairs in New York City, little did I know that my career path would place me at the helm of one of the most respected battery suppliers in the world. Today, as a subsidiary of East Penn Manufacturing Co., MK Battery is proud of the high-quality product and service reputation that we strive to earn every day. Our team of dedicated professionals understands fully the vital role our products serve in enhancing lives in the safest, most effective, and most sustainable fashion.

MK Battery and East Penn may not be recognizable as household names, but the brands and companies we serve certainly are. From many of the world's most prominent automobile manufacturers, to the largest technology companies, to the fast-emerging renewable energy segment, and most of the global leaders in power wheelchair manufacturing, our batteries have been the trusted power source for decades. Whether you drive a car, depend on a power wheelchair or scooter for mobility, access online data, or use solar energy in your home or business, there is a good chance our batteries are in the mix.

Our core values and family culture perpetuate an environment built on quality, integrity, and a total commitment to earning the respect, trust, and confidence of our customers, suppliers, employees, and community that we never take for granted. Our entire organization takes pride in recognizing the sense of urgency that our products and services require, and is dedicated to responding quickly and efficiently to the needs of both internal and external customers.

Recognizing the leadership role we play in many of the industries we serve, innovation is a part of our DNA. With a constant drive to improve products, processes, systems, and methodologies, delivering the most technologically advanced, most reliable, most sustainable, and safest products to the diverse markets we serve is an enduring determination.

We are proud to present the MK Battery story in the following pages, and confident that we will continue to build on our founding principles of high quality, world-class service, and environmental stewardship for many years to come.



Wayne Merdinger
President, MK Battery



MK Battery Milestones

Humble Beginnings to Global Reach

1983

Founded in Anaheim, CA
by Mark Kettler & Mark Wels



1995

MK Battery acquired by
East Penn Manufacturing Co.



2000

Expansion to Europe



2008

Expansion to Australia



2013

Becomes the primary sponsor
and official battery of the
United States Power Soccer
Association



2022

Introduces high quality
lithium energy storage
system



2023

Partners with Rolko to
distribute mobility parts
and accessories in the USA



Today

MK Battery products
deployed to specialized
battery markets on all seven
continents.



Over 7 Decades of Innovative Battery Design & Manufacturing

About Our Parent Company – A Proud Past With a Bright Future

East Penn Manufacturing Co. began as a dream of the Breidegam family. In 1946, DeLight Breidegam Jr., a young Air Force veteran, started a battery business with his father, DeLight Sr. The location of their business was a small, one-room creamery in the village of Bowers, PA.

Wartime made for scarce battery materials, but there was big demand for rebuilt batteries so returning GIs could get their vehicles running again. DeLight and his father filled that need by collecting old batteries and rebuilding them.

From the beginning, the Breidegam's knew that if their business was to be successful, customers and employees would have to be the top priority, and opportunities for improvement could never be overlooked. These founding principles make East Penn what it is today.

In over seven remarkable decades, East Penn has grown from a one-room shop with a product line of five automotive batteries to one of the world's leading battery manufacturers with over 10,500 full-time employees, 515 product designs, operations around the world, and hundreds of awards for industry excellence.

Our core values are as strong today as they were in 1946, and we continue to embrace them as we prepare for the future of energy storage solutions and sustainable practices.



***East Penn // 1946
Bowers, PA***





East Penn // 2024
Lyon Station, PA

Sustainable Since Day One

East Penn got its start rebuilding used batteries from recycled materials...

Here are just a few of the ways that sustainability is embedded into our business today:

Powering a Circular Economy

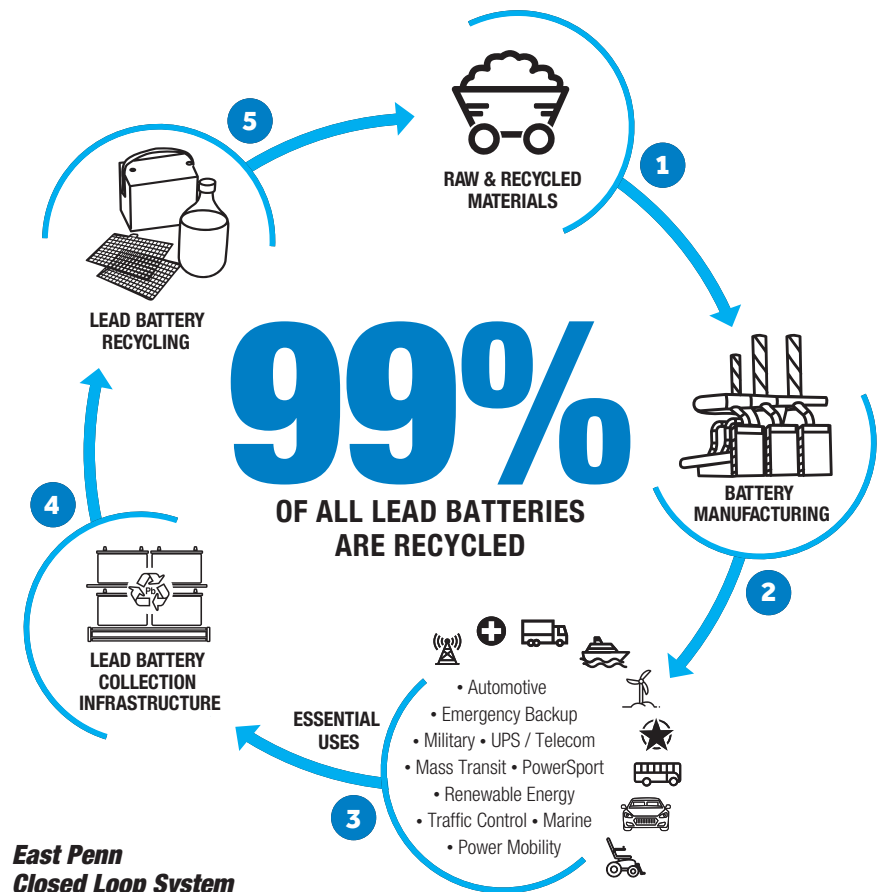
A circular economy conserves natural resources and creates value from waste, and through East Penn's lead battery manufacturing business, we do just that. Lead batteries have safe, infinite recycling possibilities, resulting in a 99 percent recycling rate in the United States. In practice, all three major components of a lead battery are recycled and reused – lead, plastic and acid – in the production of new products. Then we close the loop with our distribution system that collects used batteries for recycling when delivering new products.

Investment in Our People

The heart of our company will always be our people. East Penn has been a family-owned business since its founding in 1946, and today, still strives to create a sense of familial caring for its 10,000+ employees.

Commitment to a Renewable Energy Future

East Penn is investing in solutions for a low-carbon future by accelerating its expansion into lithium and advanced lead battery technologies to meet customers' expanding demands in the fast-evolving age of electrification.





ANNUALLY
RECYCLED
LEAD

175
Million
Pounds



ANNUALLY
RECYCLED
PLASTIC

10.6
Million
Pounds



ANNUALLY
RECYCLED
ACID

6.3
Million
Pounds

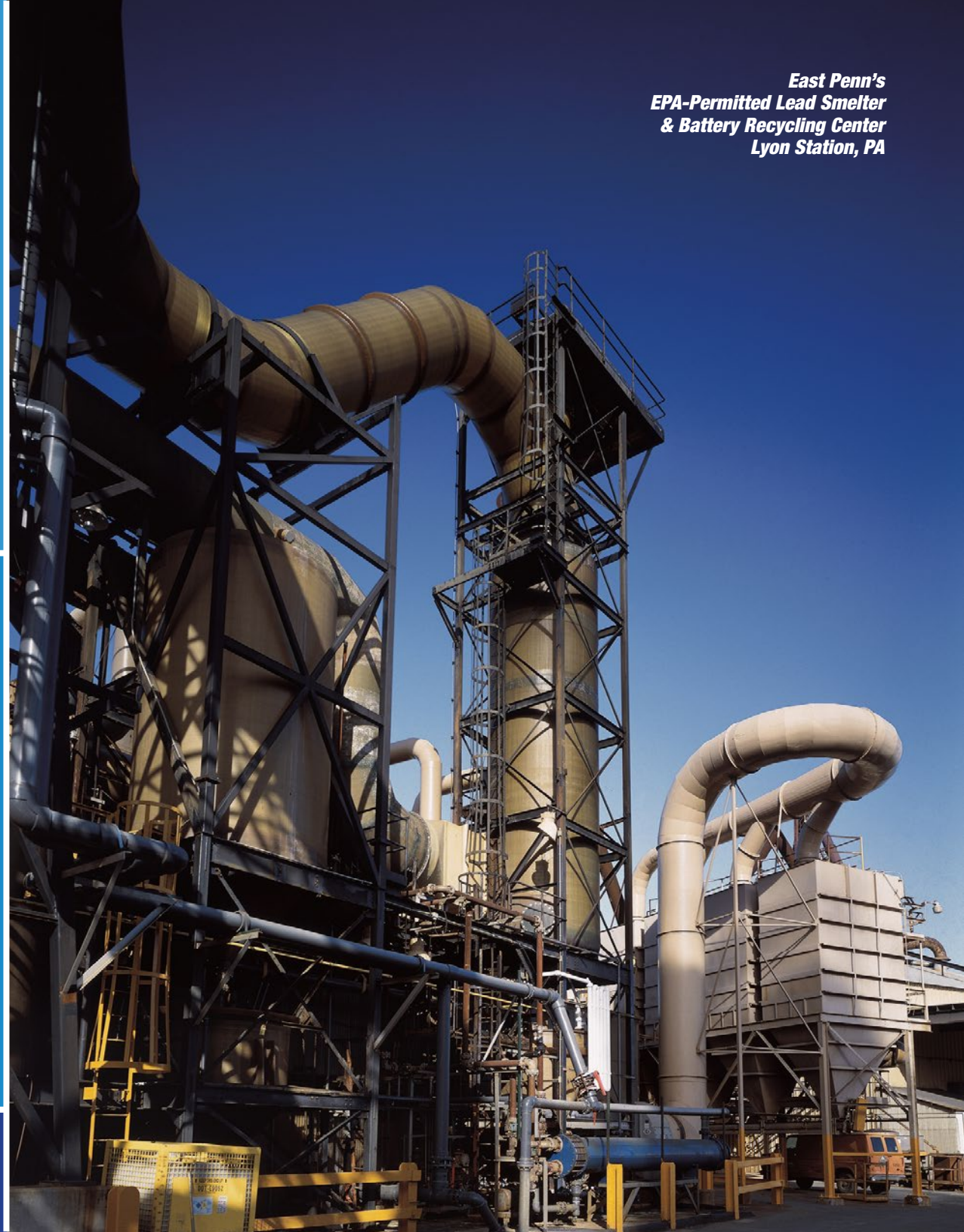


ANNUALLY
RECYCLED
WATER

42
Million
Gallons

East Penn Annual Recycling Statistics

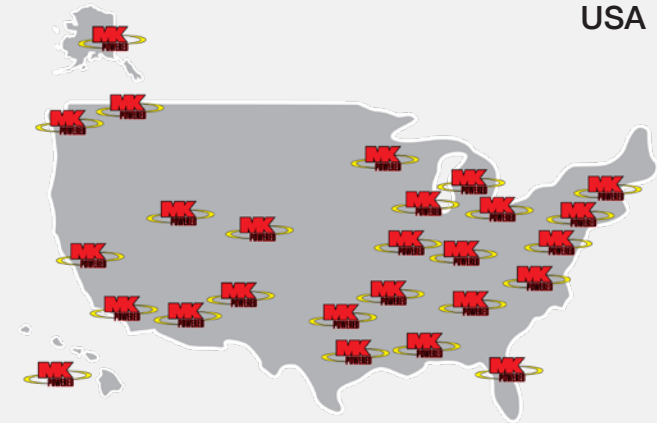
*East Penn's
EPA-Permitted Lead Smelter
& Battery Recycling Center
Lyon Station, PA*



Global Presence, Local Stock & Support

Company Operated Distribution

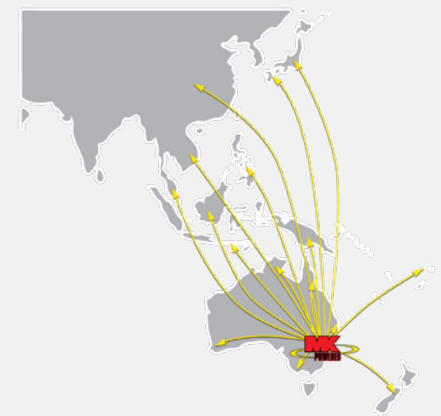
- 26 U.S. Locations
- 8 International Locations
- Fresh Inventories Available Within 24 Hours
- Multi-National Company-Operated Trucks
- Local Route Delivery Service
- Spent Battery Pickup & Recycling Services



USA



Europe



Asia
Pacific



Markets We Serve to Power Your World

POWER MOBILITY



ENERGY STORAGE



Committed to Supplying the Highest Quality Battery Products Since 1983

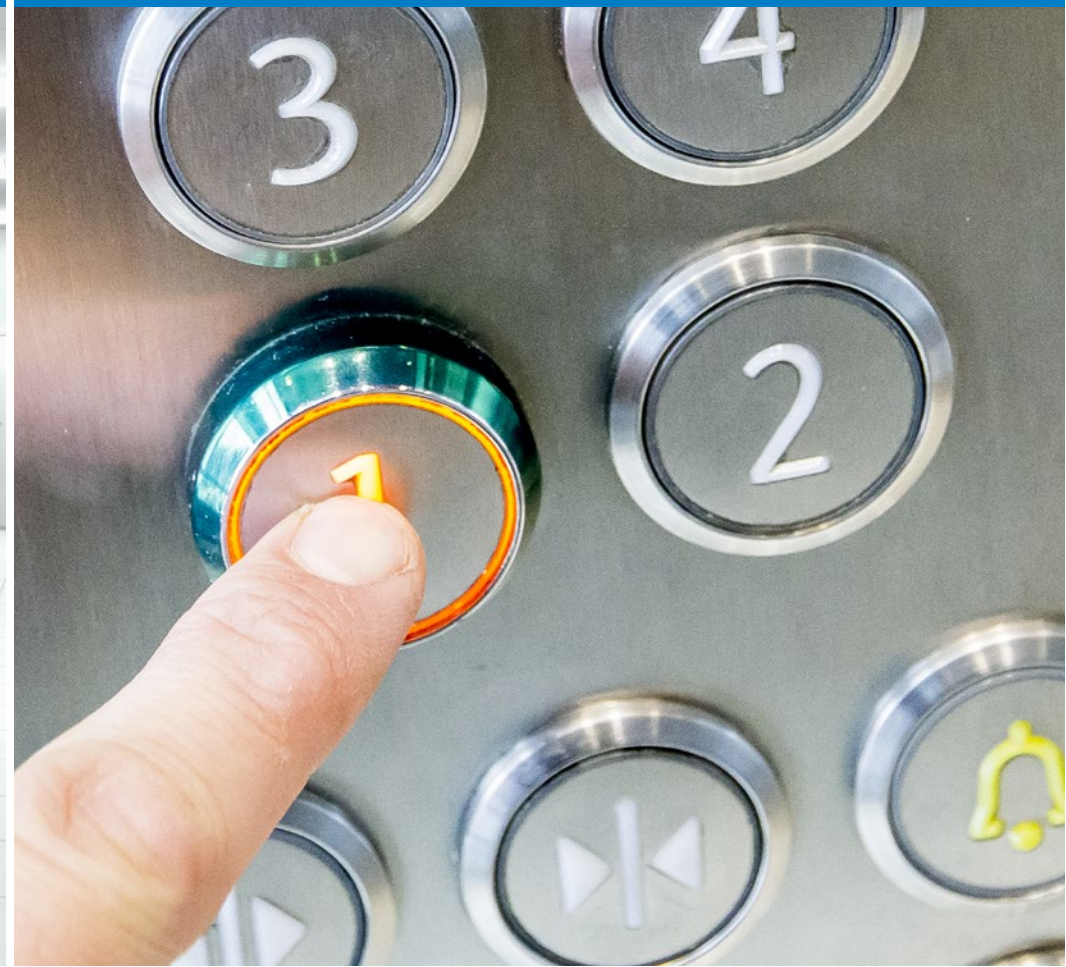
MK Battery is a market leader, committed to providing only the highest quality products to specialized battery markets for niche applications. With experience in these areas that few others can match, you can expect our total commitment to keep you safely at the forefront of high-quality battery technology with dependable performance, optimal value and the most responsive service.

Whether your application requires extended cycle life, long duration at low rates of discharge, minimal recharge time or maximum high-rate performance, MK Battery supplies only the highest quality batteries available anywhere.

STATIONARY POWER



SPECIALTY APPLICATIONS



Power Mobility

You'll Cover More Ground With MK Powered Products

For decades, the MK Powered brand has been the number one choice of many leading wheelchair manufacturers across the globe. These industry leaders cannot afford to have their reputations riding on anything but the best power source available.

Proven battery performance, longevity and unmatched reliability in this vital and demanding application is why consumers that depend on power mobility equipment trust their freedom of independence to MK Battery.

Applications:

- Complex Rehabilitation Technology
- Scooters & Consumer Mobility
- Battery Chargers & Test Equipment





Energy Storage

How Far Off The Grid Are You?

Advanced technologies and the use of the most modern computer-aided design and manufacturing techniques combine to make MK Battery's energy storage product offering the standard by which all others are measured.

Our extensive portfolio of high quality, technologically advanced energy storage batteries are designed for even the most demanding renewable energy applications.

Markets:

- Residential
- Commercial / Industrial (CI)
- Oil and Gas
- Traffic Control
- Telecom
- Utility
- EV Charging

Applications:

- Peak Shaving
- Grid Stabilization
- Grid Independence
- Standby Power
- Community Solar
- Smart Grid
- Cathodic Protection



Deka Duration Installation



Turneffe Island Resort,
Belize

*GPS Monitoring Station at Cape Roberts, Antarctica
Powered by Deka Solar Genuine Gel Batteries*



Photo Courtesy of UNAVCO

Stationary Power

When Failure is Not an Option

We offer a complete line of batteries that are engineered and tested to deliver backup power specifically for critical applications. We are an industry leader in premium AGM Valve-Regulated designs that meet your specific installation needs while delivering the lowest total cost of ownership.

When it comes to the performance of your critical backup power system, you need the most reliable batteries – that's the only way to protect your vital information or sustain your emergency systems.

Standby Critical Power:

- UPS
- Traffic
- Switchgear
- Telecom
- Utility
- Security / Fire Alarm





Specialty Applications

Stored Energy for Day-to-Day Power Demands

Since Alessandro Volta's groundbreaking invention of the electric battery in 1800, batteries have become an integral part of modern life. These portable stored energy sources have revolutionized how we power everyday devices from the mundane to the extraordinary. Specialty applications demand special solutions.

Whether it's powering precise control systems in an elevator, operating smart and connected hospital beds, driving industrial cleaning equipment, or even guiding a pipe-inspecting robot deep underground, MK Battery is the trusted resource for specialized power.

Applications:

- Floor Cleaning
- Stairlift / Patient Lift
- Emergency Lighting
- Elevator
- Bikeshare Kiosks
- Warning Systems





Battery Brands & Technologies



MK Powered batteries are trusted worldwide for critical and demanding applications that require the most dependable power solution. With a full portfolio of high quality, deep-cycle and standby power sealed lead battery products, the MK Powered brand sets the standard by which all others are measured.

**Genuine
Gel**

**Multi-Purpose
AGM**

**Small Sealed
AGM**



Deka Solar batteries are engineered and tested to provide reliable, long-lasting back-up and deep cycle power for Photovoltaic (PV) and renewable energy applications where minimal maintenance is preferred.

**Genuine
Gel**

**Multi-Purpose
AGM**

**Monobloc & 2V
Flooded**



Deka Duration storage systems use the highest quality LFP cell chemistry with propriety BMS functionality for maximum cycling performance and longevity.

**Lithium Iron
Phosphate**



The Deka Fahrenheit battery line features a breakthrough, heat-tolerant technology that can survive up to 3X longer than conventional battery designs in temperatures as high as 60°C (140°F).

**High Temperature
AGM**



Deka HRC batteries offer peak performance, while leveraging your capital investment. It is the newest offering in the proven line of Deka products, built to provide superior performance in critical applications.

**High Rate
AGM**



The Deka High Rate series features absorbed valve-regulated, lead battery technology designed for UPS standby power systems.

**High Rate
AGM**



Deka Unigy I batteries are engineered and tested to provide reliable, long-lasting power, specifically for critical telecommunication applications.

**Long Duration
AGM**



The highly-efficient Deka Unigy II is a sealed lead-acid battery system that uses AVR (Absorbed Valve Regulated) technology to provide optimal power.

**2V Long Duration
High Capacity
AGM**



Genuine Gel

For versatile, maintenance-free power, Genuine Gel technology incorporates highly viscous, spill-proof gelled electrolyte for superior deep discharge resiliency, and longer battery life. Available in capacities from 32 Ah up to 265 Ah (100 hour rate).



Multipurpose AGM

Advanced Absorbed Glass Mat technology and the use of the most modern design and manufacturing processes combine to make MK Battery's multipurpose AGM line the most trusted choice for a host of demanding power applications. Available in capacities from 32 Ah up to 250 Ah (100 hour rate).



Small Sealed AGM

For deep cycle and standby power applications, these high quality sealed lead batteries are designed for longer run times, superior cycle life, and dependable backup power. Available in capacities from 1 Ah up to 35 Ah (20 hour rate).



Monobloc & 2V Flooded

Designed to offer reliable, low-maintenance power for renewable energy applications where frequent deep cycles are required. Available in capacities from 215 Ah to 420 Ah (100 hour rate).



Lithium Iron Phosphate

Long-lasting, proven LFP technology for extended capacity and enhanced performance in high or low voltage applications. Modular design scalable from 5.3 kWh to 763 kWh.



High Rate AGM

12V Monobloc design made with cutting edge manufacturing technologies provides superior high-rate performance in critical applications. Available in 119 - 750 w.p.c. @ 15 minutes to 1.67 v.p.c.



Long Duration AGM

12V top and front access monobloc batteries that are engineered and tested to provide reliable, long-lasting power. Range of capacities with ratings from 75 - 200 Ah (8 hour rate to 1.75 v.p.c.).



2V Long Duration & High Rate AGM

A 2V high capacity battery that utilizes absorbed valve regulated technology. Offered as either a single cell or as a system. Available with ratings from 91 - 2000 Ah (8 hour rate to 1.75 v.p.c.).



High Temperature & Long Duration AGM

12V heat-tolerant valve regulated monobloc that is designed for long durations to survive in temperatures up to 60°C (140°F). Available with ratings from 28.2 - 190 Ah (8 hour rate to 1.75 v.p.c.).



2V High Temperature & Long Duration AGM

A heat-tolerant high capacity 2V battery that is designed for long durations and extended life in high temperature environments. Offered as either a single cell or as a system. Available with ratings from 81 - 1789 Ah (8 hour rate to 1.75 v.p.c.).



Manufactured outside of USA



Manufactured in USA with domestic and imported components



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