

# MOTIVE POWER BATTERY LINEUP



GNB provides a variety of solutions for your energy storage needs, including flat plate, tubular, and lithium technologies. GNB batteries are primarily used in forklift trucks, railroad, military, and mining applications.

## LITHIUM-ION



### LiFTFORCE<sup>®</sup> LPX<sup>™</sup>

The all-new LiFTFORCE LPX<sup>™</sup> lithium-ion batteries will change the way you think about performance. They deliver faster charging, greater efficiency, and increased cycle life, all in a maintenance-free package – that means lower operational costs for your business compared to traditional power sources. Featuring a dual cable system and integrated BMS (Battery Management System), LiFTFORCE LPX offers convenience and battery monitoring while providing all the power you need to get the job done.

## TUBULAR



### TUBULAR MPX<sup>®</sup>

GNB<sup>®</sup> Tubular MPX<sup>®</sup> batteries deliver even more power in the same size container, with up to 18% more capacity\*. Engineered for superior performance in severe duty applications, MPX batteries not only deliver longer run times, but also maintain higher voltages for faster speeds and quicker lifts. These batteries are designed for use in opportunity and fast charging applications. MPX batteries also feature GNB's round tubular technology, which provides longer run times versus competitive square grid designs.



### TUBULAR LMX<sup>®</sup>

The Tubular LMX<sup>®</sup> family of tubular batteries provides the benefit of 90 day watering cycles. An innovative plate design provides over 70% more electrolyte headspace. The combination of extra electrolyte and an optimized charging profile reduces water loss during charging. The Tubular LMX is ideal for opportunity charge applications.



### TUBULAR CMX<sup>®</sup>

GNB Tubular CMX<sup>®</sup> batteries deliver premium cost-efficient power and are more durable and dependable than traditional flat-plate designs. Engineered for premium performance, CMX batteries are the right choice for every day, conventional use and are ideal for opportunity charging operations. Tubular CMX batteries feature GNB's round tubular technology, which provides longer run times.

## FLAT-PLATE



### MARATHON FPX<sup>®</sup>

GNB Marathon FPX<sup>®</sup> batteries deliver premium, cost-efficient power and extended durability and reliability to get the job done. Engineered for premium performance, FPX batteries deliver dependable performance to power your needs. The improved performance and extended cycle life of the Marathon FPX will boost your medium to heavy-duty trucks' run time and reduce maintenance over the life of the battery. The Marathon FPX has been designed for opportunity charge applications.



### MARATHON CLASSIC<sup>™</sup>

GNB's Marathon<sup>®</sup> Classic<sup>™</sup> (formerly known as Flooded Classic) family is made up of economical flooded flat-plate batteries that have been designed to deliver consistent and reliable power for light to medium duty applications. Marathon Classic batteries are optimized for better electron flow through the rugged lead grid plates with improved electrolyte efficiency gained by contoured plate separators.



### MARATHON ELEMENT<sup>™</sup>

Marathon<sup>®</sup> Element<sup>®</sup> valve-regulated lead-acid batteries never need watering and are designed for light retail and medium warehouse material handling applications.

\*versus conventional flooded batteries

# CHARGER SYSTEM OFFERINGS



## OPPORTUNITY AND FAST CHARGING APPLICATIONS

GNB's family of multi-use chargers are designed for the latest in opportunity and fast charging environments. These applications require real-time monitoring of the battery temperature and other parameters.



### *Fury X-3*

The GNB® Fury X-3™ is a modular multi-voltage opportunity charger designed for industrial battery fleet applications and ready to charge almost any motive battery. It uses the latest Silicon Carbide MOSFET (Metal Oxide Semiconductor Field-Effect Transistor) power technology to provide efficient high frequency power conversion to minimize infrastructure costs, reduce your carbon footprint and provide multi-shift opportunity and fast charging capabilities. Lithium capability coming soon.



### EHI Product Family

This family offers the latest in software-programmable customized battery charging profiles. Temperature from the battery is transmitted to the charger as data over power line to automatically adjust the shortest and optimal charging profile. Data stored in the charger's memory can be downloaded wirelessly to a management application on PC.



### ELI Product Family

The ELI family of chargers are specially designed to communicate with the GNB Liftforce family of lithium batteries. This provides the fastest lithium re-charge rate allowed for the lithium design offering customers the highest possible energy return compared to alternative system choices. Our exclusive CANbus protocol communicates between battery and charger and controls the re-charge with high speed precision. We match every charger to the proper lithium battery for best results to keep you running longer.

## CONVENTIONAL CHARGING APPLICATIONS

Industrial chargers used for light-duty to heavy-duty applications are available in a wide range of options. These chargers are designed for applications that typically have more than one battery per truck and where batteries are swapped-out at the end of each work shift.



### EHF and EHY Product Family

These chargers are 100% rated, eight-hour recharge, high frequency chargers that deliver multi-profile and multi-chemistry performance for all battery types including flooded, flat plate or tubular.

The newest EHY models are fully CEC-approved and offer energy-saving charging for multiple line voltages, mostly found in smaller facilities.