

THE U.S. LEAD BATTERY INDUSTRY BY THE NUMBERS

Lead batteries connect, power and protect our everyday energy needs and they are a proven technology with over 160 years of unmatched resiliency and reliability. They power innovative, safe energy storage solutions across the U.S. and are critical to a low carbon future.

+206^{GWh}

Annual North American lead battery manufacturing capacity within a robust, ready-to-scale infrastructure.

121K Jobs



U.S. jobs supported by the lead battery industry.

50%

Global market for rechargeable batteries supported by lead batteries.



+66,000^{MWh}

Predicted lead battery global market growth 2021-2030.

Powering Our Energy Future

Reliable and resilient domestic sourcing for energy storage provides protection from global disruptions and helps to stabilize the grid.



~90%

Domestic lead battery demand met by North American manufacturers.

+83%

Market Fulfillment

The amount of lead demand met by North American lead battery recyclers.

49

U.S. Facilities

The number of U.S. manufacturing and recycling facilities.

300K+

Retail distribution and collection sites

that are part of a robust infrastructure.

[LEARN MORE ABOUT THE SUPPLY CHAIN](#)

A Model of Sustainability and Circularity

Lead batteries are the most environmentally sustainable battery technology.



100% Recyclable Components

A lead battery's three main components are infinitely recyclable.

+160M

Recycled Annually

The number of lead batteries kept from landfills in the U.S.

#1

Lead batteries are the most recycled consumer product in the U.S.



99%

of lead batteries are safely recycled

in an established, coast-to-coast network of advanced recycling facilities, far surpassing any other battery chemistry including lithium-ion (<15% recycled).

Essential Energy for Today and Tomorrow

Lead batteries are an irreplaceable link to connect, protect, transport and power our way of life.



88%

Lead batteries provide 88% of the backup power required for 24/7 telecommunications.

Connecting Our World

90% of Demand

Their reliability, cost and safety make lead batteries the dominant choice for the UPS battery market, meeting 90% of demand.

Protecting Our Lives



Lead batteries support the **backup recovery systems** that protect lives, investments and data in an emergency.

Every U.S. mass-produced car and truck (more than 290 million), including every electric vehicle and approximately **60% of all forklifts**, contains and relies on lead batteries.



+3% Expected growth

of the 12V lead battery automotive market between 2020-2030 and a market value of \$30.1B.

Transporting Our Economy



90% Motive power battery demand

in applications such as forklifts, is met by lead batteries.



[LEARN MORE ABOUT USES AND APPLICATIONS](#)

Advancing Lead Batteries for New Applications

Scientists are actively working to unlock the full potential of lead battery technology.

50+ Research projects innovating next-gen battery technology.



Cutting-edge research with the U.S. Department of Energy's **Argonne National Laboratory** to accelerate battery innovation.



The **Department of Energy** includes lead batteries among storage technologies receiving high-profile attention for grid energy storage.

Learn more at BatteryCouncil.org

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