

THE U.S. LEAD BATTERY INDUSTRY BY THE NUMBERS

Lead batteries connect, power and protect our everyday energy needs. They power innovative, safe energy storage solutions across the globe and are critical to building a more sustainable future.

160⁺ Years

The lead battery is a proven technology with over 160 years of unmatched resiliency and reliability.

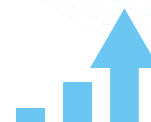
92K Jobs



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

70%

Global rechargeable battery market supported by lead batteries.



61,000 MWh

Predicted growth of global lead battery market from 2025 to 2031.

Powering Our Recovery and Energy Future



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

Approximately 90%

of North American lead battery demand is met by North American manufacturers.

73%

Domestic Material Supply

The amount of lead demand met by U.S. lead battery recycling.

47

U.S. Facilities

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

250K⁺

Retail distribution and collection sites that are part of a robust infrastructure.

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.

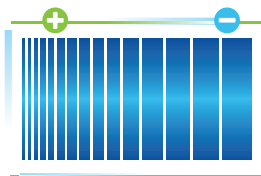
130M

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 (5% recycled).

Essential Energy for Today and Tomorrow

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



+90%
Lead batteries provide over 90% of the backup power required for 24/7 telecommunications.

Connecting Our World

92% of Demand

Their reliability, cost and safety make lead batteries the dominant choice for the UPS battery market, meeting 92% 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 (over 275 million), including every electric vehicle and approximately **60% of all forklifts**, contains and relies on lead batteries.



Transporting Our Economy



+6% Expected growth of the 12V lead battery automotive market between 2015–2030 and a market value of \$31.9B.

90% Motive power battery demand in applications such as forklifts, is met by lead batteries.



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 lead battery technology.

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



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

Learn more at EssentialEnergyEveryday.com

Visit EssentialEnergyEveryday.com/about/sources to view source information.

02.05.21 Print ©2021 Battery Council International



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