

# 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<sup>+</sup> 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.

## +60%

Global market for rechargeable batteries supported by lead batteries.

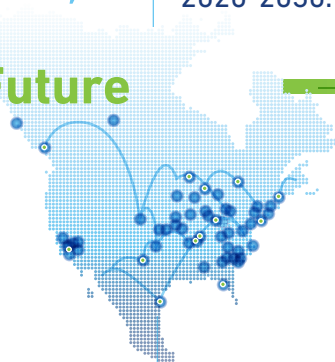


## +75,000 MWh

Predicted lead battery global market growth 2020-2030.

## 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.

## 86%

### 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.

## 250K<sup>+</sup>

### 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.

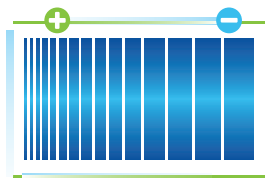
## 130M

### 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 (<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** (over 275 million), including every electric vehicle and approximately **60% of all forklifts**, contains and relies on lead batteries.



## Transporting Our Economy



**+3%** Expected growth of the 12V lead battery automotive market between 2015–2030 and a market value of \$30.1B.

**89%** 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](https://EssentialEnergyEveryday.com)

Visit [EssentialEnergyEveryday.com/about/sources](https://EssentialEnergyEveryday.com/about/sources) to view source information.

02.10.22 Print ©2022 Battery Council International

THE  
**DOE RUN**  
COMPANY



essential energy  
everyday

Powered by Sustainable Lead Batteries