

# CIRCULAR ECONOMY OF LEAD BATTERIES

The lead battery industry, with its established circular infrastructure, is a model for other battery chemistries in how to responsibly source, use, reuse and manage materials.

## Step 1: Manufacturing

A new lead battery is typically comprised of **over 80% recycled material**.



Lead from lead batteries can be **infinitely recycled** with no loss of performance.

## Step 5: Sourcing & Materials Efficiency

U.S. lead battery manufacturers source approximately **70% of lead** from domestic recycling facilities.



The world entrusts **70% of its rechargeable energy storage needs** to lead.

## Step 2: Use



Worldwide, lead batteries are used in virtually **every hybrid and electric vehicle**.

Lead batteries have been recycled for **more than 100 years**.



Modern, closed-loop recycling in the U.S. keeps **more than 130 million lead batteries** from landfills each year.

## Step 4: Recycling

## Step 3: Collection



Lead batteries rank among the **top five consumer product categories** in sustainability.

Lead battery life has **increased by 30-35%** in the last 20 years.

Lead batteries have a **99% recycling rate**, the highest of any consumer product in the U.S.



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