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US Collection

Single-Use (Primary) Batteries: United States

November 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Trade | Legal and Regulatory Factors
Technology

Segmentation and Forecasts

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ABOUT THIS REPORT

Scope & Method

This report forecasts US single-use (primary) battery demand and shipments in US dollars at the manufacturers' level to 2020. Total demand and shipments are segmented by product in terms of:

- alkaline
- lithium
- other products such as zinc air, silver oxide, and zinc-carbon.

Single-use batteries, which are also known as primary, disposable, or dry-cell batteries, are non-rechargeable energy storage units that are thrown away or recycled after discharge. The terms “battery” and “cell” are used interchangeably, each denoting both single-cell (eg, AAA batteries) and multi-cell (eg, nine-volt batteries) devices.

Total demand is also segmented by market as follows:

- consumer
- industrial
- government
- other markets such as healthcare, trade, and services.

To illustrate historical trends, total demand and total shipments are provided in annual series from 2005 to 2015; the various segments are reported at five-year intervals for 2010 and 2015.

This report quantifies trends in various measures of growth. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided at five-year intervals with CAGRs for the years corresponding to other reported figures. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the [Table of Contents](#).

Sources

Single-Use (Primary) Batteries: United States (FF45051) is based on [Single-Use](#)

[\(Primary\) Batteries in the US](#), a comprehensive industry study published by The Freedonia Group in November 2016. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other industry studies by The Freedonia Group.

Specific sources and additional resources are listed in the [Resources](#) section of this publication for reference and to facilitate further research.

Industry Codes

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
335912	Primary Battery Manufacturing	3692	Primary Batteries, Dry and Wet

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Table of Contents

Section	Page
About This Report	i
Highlights.....	1
Market Environment.....	2
Historical Trends.....	2
Chart 1 US Single-Use Battery Demand Trends, 2005-2015 (US\$ mil)	3
Key Economic Indicators	4
Table 1 Key Indicators for US Single-Use Battery Demand; 2010, 2015, 2020 (US\$ bil)	4
Trade.....	5
Chart 2 US Single-Use Battery Trade; 2005, 2010, 2015 (US\$ mil)	5
Legal & Regulatory Factors	6
Technology	8
Segmentation & Forecasts.....	9
Products.....	9
Chart 3 US Single-Use Battery Demand by Product; 2010, 2015, 2020 (US\$ mil).....	9
Alkaline.....	9
Lithium.....	11
Other Products.....	12
Chart 4 US Single-Use Battery Demand by Product Share; 2010, 2015, 2020 (%)	13
Markets	14
Chart 5 US Single-Use Battery Demand by Market; 2010, 2015, 2020 (US\$ mil)	14
Consumer.....	14
Industrial.....	16
Government.....	17
Other Markets.....	18
Chart 6 US Single-Use Battery Demand by Market Share; 2010, 2015, 2020 (%).....	19
Shipments	20
Chart 7 US Single-Use Battery Shipments by Product; 2010, 2015, 2020 (US\$ mil)	20
Alkaline.....	21
Lithium.....	21
Other Products.....	22
Chart 8 US Single-Use Battery Shipments by Product Share; 2010, 2015, 2020 (%).....	22
Industry Structure	23
Industry Composition & Characteristics.....	23
Market Share.....	23
Chart 9 US Single-Use Battery Market Share by Supplier, 2015.....	24
Companies Cited	28
Resources	29

To return here, click on any Freedonia logo or the Table of Contents link in report footers.
 PDF bookmarks are also available for navigation.

RESOURCES

The Freedonia Group

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<i>3468 Single-Use (Primary) Batteries in the US</i> , November 2016	see study contents
Related Industry Studies	
<i>3454 World Motorcycles</i> , October 2016	see study contents
<i>3458 Rechargeable (Secondary) Batteries</i> , September 2016	see study contents
<i>3350 World Battery Materials</i> , December 2015	see study contents
<i>3340 Power Lawn & Garden Equipment</i> , December 2015	see study contents
<i>3309 World Batteries</i> , July 2015	see study contents
<i>3232 World Buses</i> , March 2015	see study contents
Related Focus Reports	
<i>Batteries: United States</i>	see report contents
<i>Battery Materials: United States</i>	see report contents
<i>Computers & Peripherals: United States</i>	see report contents
<i>Electric Motors: United States</i>	see report contents
<i>Rechargeable (Secondary) Batteries: United States</i>	see report contents
<i>World Batteries</i>	see report contents
Freedonia Custom Research	see capabilities

Trade Publications

<i>Advanced Battery Technology</i>	http://7ms.com/abt
<i>Appliance Design</i>	www.appliancedesign.com
<i>Automotive News</i>	www.autonews.com
<i>Batteries & Energy Storage Technology</i>	www.bestmag.co.uk
<i>Batteries International</i>	www.batteriesinternational.com
<i>Battery Power</i>	www.batterypoweronline.com
<i>Business Energy</i>	www.foresternetwork.com/category/weekly/business-energy-weekly
<i>Wireless Week</i>	www.wirelessweek.com

Agencies & Associations

Battery and Electrical Specialists Association	www.besabattery.com
Battery Council International	www.batterycouncil.org
Federal Aviation Administration	www.faa.gov
Federal Communications Commission	www.fcc.gov
NAATBatt International	www.naatbatt.org
International Civil Aviation Organization	www.icao.int
United States Census Bureau	www.census.gov
United States Defense Logistics Agency	www.dla.mil
United States International Trade Commission	www.usitc.gov

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