









Lead Acid Battery Manufacturing Industry.

Production of Lead Acid Storage Battery

India Lead Acid Battery market is projected to reach \$ 7.6 billion by 2023



Introduction

The battery which uses sponge lead and lead peroxide for the conversion of the chemical energy into electrical power, such type of battery is called a lead acid battery. The lead acid battery is most commonly used in the power stations and substations because it has higher cell voltage and lower cost.





Lead acid batteries are used as a power source for vehicles that demand a constant and uninterruptible source of energy. Just about every vehicle today does. For example, street motorcycles need lights that operate when the engine isn't running. They get it from the battery. Accessories such as clocks and alarms are battery-driven.





Applications

- Automotive and traction applications.
- Standby/Back-up/Emergency power for electrical installations.
- Submarines
- UPS (Uninterruptible Power Supplies)
- Lighting
- High current drain applications.
- Sealed battery types available for use in portable equipment.





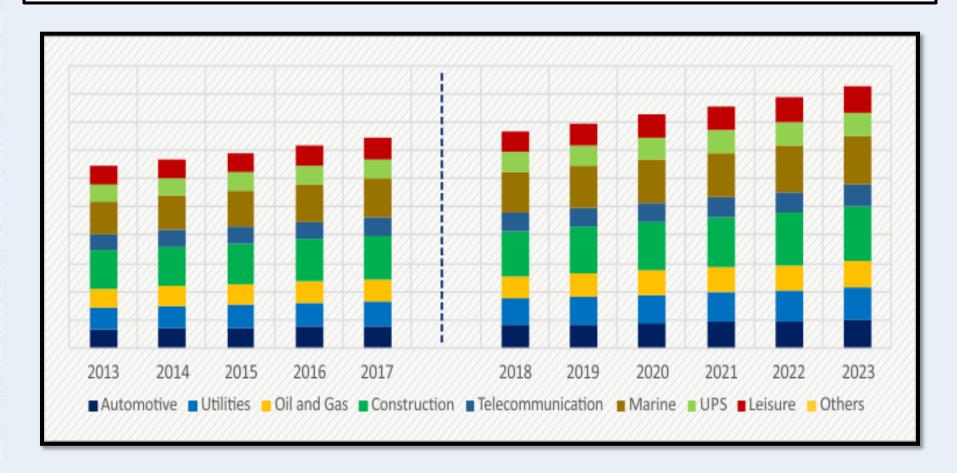
Market Outlook

The global lead-acid battery market was valued at \$56.9 billion in 2017 and is projected to reach \$70.7 billion by 2023, witnessing a CAGR of 3.7% during the forecast period. The growing demand of electric vehicles, increasing use of uninterrupted power supply (UPS) systems in industrial sectors, and rapid industrialization in developing nations are likely to generate growth opportunities and propel the market demand during the forecast period.





Global Lead–Acid Battery Market, By Application, Million Units (2013–2023)



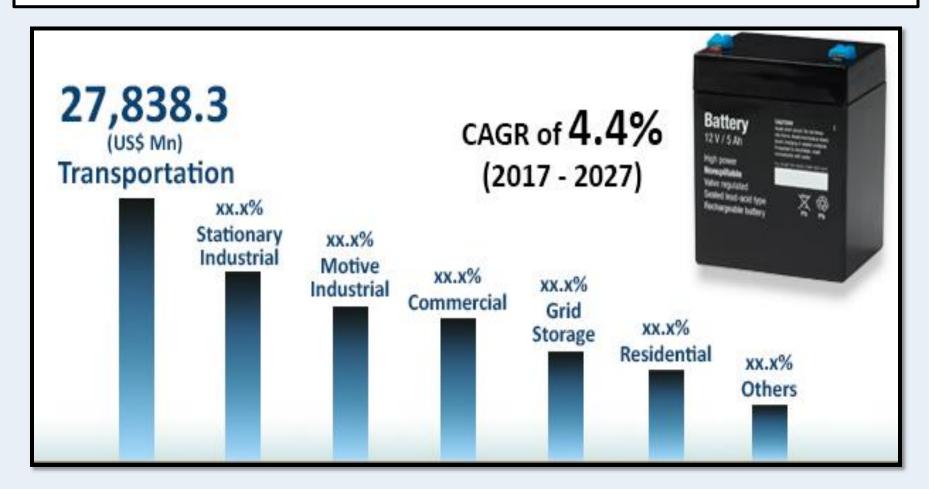


Some of the key factors identified as drivers of the global lead acid battery market are: increasing demand for e-bikes and electric vehicles, lower maintenance and replacement costs, and reducing reliance on conventional fuel technologies. On the other hand, stringent lead emission standards and shift towards lithium-ion batteries are two glaring restraints hindering the prosperity of the lead acid battery market. Nevertheless, increasing demand from the telecommunication sector is foreseen as a fresh new opportunity in this market.





Global Lead Acid Battery Market Value, By Application, 2017 (US\$ Mn)



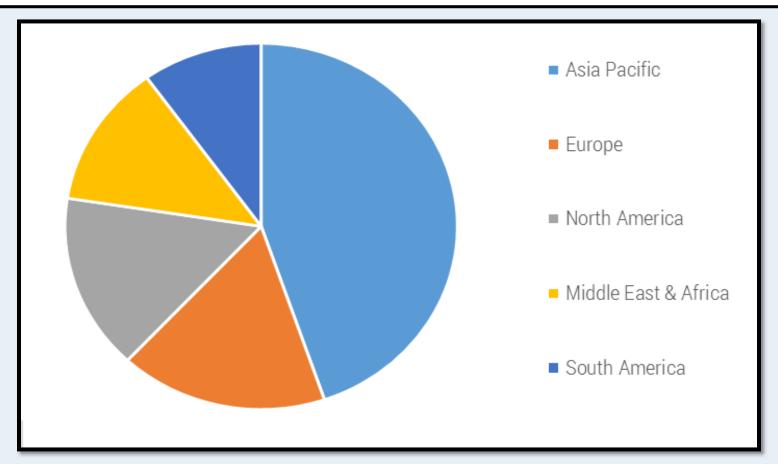


Application-wise, the analysts have bifurcated the lead acid battery market into grid storage, commercial, stationary industrial, residential grid storage, motive industrial, and transportation. Until 2017, the transportation sector was providing for 47.3% of the overall demand, although the demand for stationary industrial segment is expected to expand at an above-average CAGR of 6.3% during the forecast period.





Global Lead Acid Battery Market: Region-Wise Revenue Share in Percentage, 2017





Commercial and residential applications of lead acid battery are also expected to grow at a significant CAGR over the forecast period. Increasing marine activities and recreational boats are giving a trending opportunity for boats, which, in turn, is increasing the demand for lead acid battery.

Globally, 85% of lead is primarily utilized in batteries for passenger cars, trucks, motorcycles, uninterruptible power supplies, and solar power storage. Demand for passenger vehicles has increased considerably and is anticipated to rise further in the near future. This, in turn, is creating high demand for lead acid batteries.





Automobile and manufacturing sectors are witnessing significant expansion. This is driving the demand for stationary batteries for power backup and that for deep-cycle batteries for wheeled mobility such as golf cars, wheelchairs, and scissor lifts. However, improper and illegal disposal of lead acid batteries causes environmental pollution due to its high lead content. Furthermore, demand for the alternative Li-ion batteries in the automobile sector is increasing due to the poor performance and low cycle life based on temperature of lead acid batteries are restricts the market growth. Manufacturing process advancements in recycling of lead acid batteries provide opportunities to lower the adverse impact on the environment.



The automobile and UPS & telecom applications together account for more than 55% share of the market for flooded type batteries. Thus, these are the major segments in terms of product type. The flooded segment is anticipated to constitute key share of the market in the near future due to the extensive utilization in driverless transport vehicles, electric forklifts, and electric bicycles.

B.B. Battery Co., Toshiba Corporations, C&D Technologies, Inc. (Acquired By KPS Capital Partner), Crown Battery, CSB Battery Company Ltd., East Penn Manufacturing, EnerSys, Exide Technologies Inc., GS Yuasa Corporation, Johnson Controls Inc., Narada Power Source Co. Ltd., Nipress (Indonesia), Northstar, Reem Batteries & Power Appliances Co. SAOC and Zibo Torch Energy Co. Ltd. are some of the leading companies in this market.

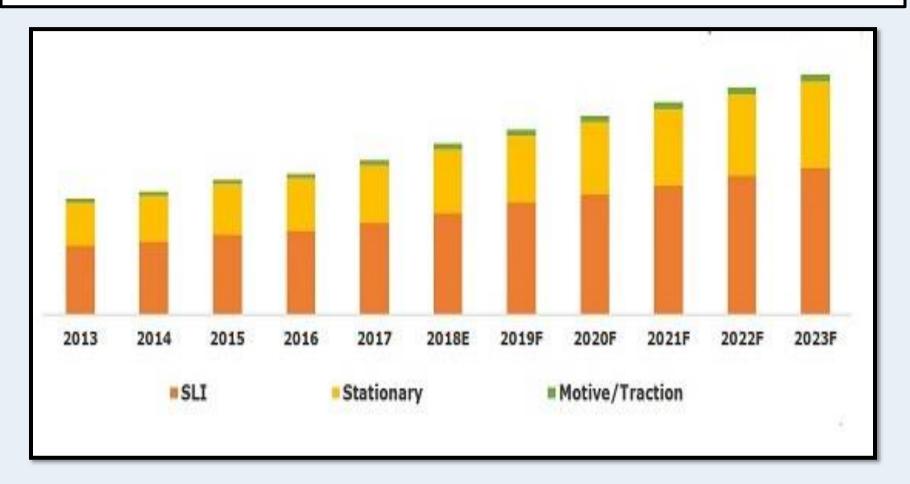


India Lead Acid Battery Market

India lead acid battery market is projected to reach \$ 7.6 billion by 2023. Anticipated growth in the market can be attributed to booming demand for automobiles, in addition to increasing focus of the government towards boosting the penetration of electric vehicles in the country. Moreover, development of smart grids, continuing technological developments, increasing budget allocation for housing projects and government initiatives aimed at shifting the focus from conventional sources to renewables in India is further expected to positively influence the country's lead acid battery market in the coming years.



India Lead Acid Battery Market Size, By Type, By Value, 2013-2023F





Lead acid battery is traditionally used as rechargeable battery with varied applications including automotive for starting lighting as well as ignition usage across power backup devices such as inverter, UPS, and genset followed by telecommunication segment, electric vehicles, renewable energy production and storage. India lead acid battery market is driven by automotive and UPS & inverter industry; in addition, government schemes to promote electric vehicles coupled with rising installation of renewable energy projects are posing new opportunities for lead acid battery manufacturers in the country.





Anticipated growth in the market can be attributed to booming demand for automobiles, in addition to increasing focus of the government towards boosting the penetration of electric vehicles in the country.

Few of the major players operating in India lead acid battery market are Exide Industries Limited, Amara Raja Batteries Limited, Livguard Energy Technologies Private Limited, Luminous Power Technologies Pvt. Ltd., HBL Power Systems Limited, V-Guard Industries, Southern Batteries Private Limited, Su-Kam Power Systems Limited, Okaya Power Private Limited, etc.





Machinery Photographs



Battery Plate Making Workshop



500 KG Paste Machine





Curing and Drying Chamber



Water Purified Machine



Project at a Glance

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COST O	F PROJI			MEANS			
	Existin	Propose			Existin	Propos	
Particulars	g	d	Total	Particulars	g	ed	Total
Land & Site							
Development Exp.	0.00	70.00	70.00	Capital	0.00	147.69	147.69
Buildings	0.00	106.00	106.00	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	233.67	233.67	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	6.00	6.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	59.00	59.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	15.00	15.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	443.07	443.07
Preliminary& Pre-				Debentures /			
operative Exp	0.00	2.50	2.50	Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	21.50	21.50	Loans/Deposits	0.00	0.00	0.00
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590.77 590.77 TOTAL



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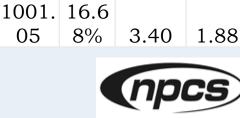
6.05% 3.12% 2.22%

6.97% 4.47% 2.96%

7.59% 5.46% 3.51%

8.02% 6.16% 3.92%

8.30% 6.67% 4.22%



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900.9 16.6

7

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Project at a Glance

REP

BEP - Maximum	Utilisation	Year	

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)

Payback Period of the Project is (In Years)

Fixed Assets Coverage Ratio (No. of times)



56.75%

60.00%

28.43%

19.864

2 Years 3

Months

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Major Queries/Questions Answered in the Report?

- 1. What is Lead Acid Battery Manufacturing industry?
- 2. How has the Lead Acid Battery Manufacturing industry performed so far and how will it perform in the coming years?
- 3. What is the Project Feasibility of Lead Acid Battery Manufacturing Plant?
- 4. What are the requirements of Working Capital for setting up Lead Acid Battery Manufacturing plant?



- 5. What is the structure of the Lead Acid Battery Manufacturing Business and who are the key/major players?
- 6. What is the total project cost for setting up Lead Acid Battery Manufacturing Business?
- 7. What are the operating costs for setting up Lead Acid Battery Manufacturing plant?
- 8. What are the machinery and equipment requirements for setting up Lead Acid Battery Manufacturing plant?



- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Lead Acid Battery Manufacturing plant?
- 10. What are the requirements of raw material for setting up Lead Acid Battery Manufacturing plant?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Lead Acid Battery Manufacturing Business?
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- 13. What is the total size of land required for setting up Lead Acid Battery Manufacturing plant?
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- 18. What are the Personnel (Manpower) Requirements for setting up Lead Acid Battery Manufacturing Business?
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Tags

#Lead_Acid_Battery, #Lead Acid Battery (Maintenance Free), #Lead Acid Rechargeable Battery, Lead Acid Applications, Battery #Lead_Acid_Battery_Manufacture, Battery Manufacturing Process. #Production_of_Lead_Acid_Battery, Battery Production, Project Profile on Lead Acid Storage Batteries, #Manufacture_and_Assembly_of_Lead_Acid_Battery, Manufacturing Process of Lead Acid Battery, Battery Manufacturing, Process for Making of Lead Acid Battery, Lead Battery Manufacturing, #Production_of_Lead_Acid_Batteries, Lead-Acid Battery Production Business, #Lead_Acid_Battery_Production/Assembly, Lead Storage Batter, Lead Battery Plant, Lead Acid Battery Manufacturing Industry, Lead Acid Battery Manufacturing Plant, Battery Manufacturing Plant, #Cost_of_Setting_up_Battery_Manufacturing_Plant, Lead Acid Battery Manufacturing Plant Cost, Lead Acid Battery Manufacturing Process Pdf, Lead Acid Battery Manufacturing Cost, How to make Lead Acid Battery, Lead Acid Battery Plant Project Report, How to Make Battery in Factory, Battery Manufacturing Process, How to Start a Battery Manufacturing Business, What will be the Cost for Starting Lead Battery Manufacturing Unit? Starting a Battery Manufacturing Business, Start a Battery Manufacturing Plant, Lead Acid Battery Making Process, Lead Acid Battery Industry, #Detailed_Project_Report_on_Lead_Acid_Battery_Manufacturing_Industry, Project Report on Lead Acid Battery Manufacturing Industry, Pre-Investment Feasibility Study on Lead Acid Battery Manufacturing Industry, Techno-Economic feasibility study on Lead Acid Battery Manufacturing Industry, Feasibility report on Lead Acid Battery Manufacturing Industry, Free Project Profile on Lead Acid Battery Manufacturing Industry, Project profile on Lead Acid Battery Manufacturing Industry, Download free project profile on Lead Acid Battery Manufacturing Industry

Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
Lead Acid Battery Manufacturing
Industry.
Production of Lead Acid Storage
Battery

India Lead Acid Battery market is projected to reach \$ 7.6 billion by 2023.

See more

https://bit.ly/32DTdBB

https://bit.ly/32F9SVm



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