

Nano-Enabled Batteries: Market Research Report

https://marketpublishers.com/r/N73061DE66AEN.html

Date: December 2017

Pages: 62

Price: US\$ 5,450.00 (Single User License)

ID: N73061DE66AEN

Abstracts

This report analyzes the Global market for Nano-Enabled Batteries in US\$ Million by the following Segments: Large Format Modules, and Customized Batteries (Wireless Power Tools, & Laptops). Annual estimates and forecasts are provided for the period 2015 through 2022. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs.

The report profiles 21 companies including many key and niche players such as -

3M Company

A123 Systems LLC

Altair Nanotechnologies Inc.

Evonik Industries AG

Front Edge Technology



Contents

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW

Batteries – A Key Source of 'Portable' Energy
Battery Industry Embraces Nanotechnology
Nanotechnology Achieves Commercial Grade Implementation in Li-ion Batteries
Growing Demand for Lithium-Ion Batteries Augurs Well for the Market
Electric Vehicles – The Major End-Use Application Area for Nano-Enabled Batteries
Growing Demand for Electric Vehicles Augurs Well for the Nano-Enabled Batteries
Market

Table 1. World Market for Electric Vehicles by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), and Rest of World Markets Independently Analyzed by Annual Sales Figures in Units for Years 2015 & 2018 (includes corresponding Graph/Chart)

Nano-enabled Batteries in Portable Power Tools Laptops and Netbooks – The Li-ion Drivers

Table 2. Global Shipments of Desktop PCs, Laptops, and Tablets in Million Units for Years 2014 & 2017 (includes corresponding Graph/Chart)

Technology Innovations/Advancements Spearhead Market Growth
Carbon Nanotubes Find Increased Applications in Batteries
Innovative Battery Design with Improved Energy Storage and Robust Crust
Batteries Made of Gold Nanowires
Nano-Wire Battery with Lengthened Lifespan
Super Nanowire Batteries
Longer Lasting Nanowire-based Lithium-ion Batteries
Sound Powered Batteries
MIT Develops Nano Yolk Batteries
Nanopore Battery Technology

Nano-Enabled Batteries: Market Research Report



Nanobatteries with Tiny Nanopores

Development of Aluminum Anodes for Improved Rechargeable Batteries CLS Aims to Develop Better Performing and Cheaper Battery Materials for Electric Vehicles

Amprius Develops Nanosolutions for Addressing Problems with Cathode and Anode Materials in Batteries for Electric Vehicles

Batteries for Desalinating Water

Vulcan Develops VoltaNano for Enhancing Performance of Lead-Acid Batteries Startups and Universities at the Forefront of Nano-enabled Battery Research Nanotube-based Lithium-ion Batteries Capable of Ultra-fast Charging Novel Nanomaterials for Cathode and Anode in Li-ion Batteries Nanotubes for Flexible Batteries for use in Flexible Devices Innovative Nanotechnology-enabled Batteries Challenges in the Development of Nano-Enabled Batteries

2. PRODUCT OVERVIEW

3. RECENT INDUSTRY ACTIVITY

Nano-Nouvelle Inks Agreements with High Performance Battery Manufacturers Kokam Conducts Ballistic Tests on Battery Cells Using Li-Ion NANO Battery Technology

3M MAKES INVESTMENT IN NANOSCALE COMPONENTS

OBP to Launch EnergyCell Nano-Carbon Batteries
A123 Systems Takes Over Leyden Energy's Battery Technology

4. FOCUS ON SELECT GLOBAL PLAYERS

3M COMPANY (USA)

A123 Systems LLC (USA)
Altair Nanotechnologies Inc. (USA)
Evonik Industries AG (Germany)
Front Edge Technology (USA)
mPhase Technologies, Inc. (USA)

5. GLOBAL MARKET PERSPECTIVE

Nano-Enabled Batteries: Market Research Report



Table 3. World Recent Past, Current & Future Analysis for Nano-Enabled Batteries by Product Segment - Large Format Modules and Customized Batteries (Wireless Power Tools and Laptops) Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 4: World 8-Year Perspective for Nano-Enabled Batteries by Product Segment - Percentage Breakdown of Dollar Sales for Large Format Modules and Customized Batteries (Wireless Power Tools and Laptops) Markets for Years 2016 and 2022 (includes corresponding Graph/Chart)II-26III. COMPETITIVE LANDSCAPE Total Companies Profiled:

The United States (13)

Canada (1)

Europe (3)

Germany (1)

The United Kingdom (1)

Rest of Europe (1)

Asia-Pacific (Excluding Japan) (4)



I would like to order

Product name: Nano-Enabled Batteries: Market Research Report
Product link: https://marketpublishers.com/r/N73061DE66AEN.html

Price: US\$ 5,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/N73061DE66AEN.html