Battery Additives Market: Information by Type (Conductive Additive, Porous Additive, and Nucleating Additive), Application (Li-Ion Batteries, Lead-Acid Batteries), and Region (Asia-Pacific, North America, Europe, Latin America) — Global Forecast till 2023

Global Battery Additives Market Synopsis:

Battery additives are the key components of the batteries, which regulate the functioning of the battery and boost their power performance. Battery additives such as conductive additives, porous additives, and nucleating additives are used in the batteries to increase the charge holding capacity and rate of charging.

The battery additives are used in different kinds of batteries such as lithium-ion batteries (Li-ion) and Lead-Acid batteries. Lithium-ion batteries are largely used in consumer electronics applications such as mobile phones, smart watches, and rechargeable batteries. They consist of four components, namely electrode, cathode, anode, and separator. Battery additives are used in the electrodes, which act as conducting medium between the cathode and anode. The increasing use of smartphones and rechargeable batteries are contributing to the growth of lithium-ion batteries, which in turn is expected to boost the demand for and sale of battery additives.

In addition, the rising demand for rechargeable batteries for use in military & defense, in remote areas and the areas with the absence of electricity are contributing to the growth of the battery market. This factor is also expected to be the major contributor to the growth of the global battery additives market. Additionally, the increasing adoption of plug-in hybrid electric vehicles (PHEVs), hybrid electric vehicles (HEVs), and electric vehicle (EVs) in the automotive industry is expected to fuel the growth of the global battery additives market.

Furthermore, technological advancements in the lithium-ion batteries are expected to create growth opportunities for the players operating in the global battery additives market during the forecast period. However, safety issues related to the battery additives are slightly limiting their demand, which it is expected to retrain the growth of the global battery additives market during the review period.

The global battery additives market is projected to reach USD 1.9 billion by 2023, at a CAGR of 9.1%.

Global Battery Additives Market, by Application (%)
Segmental Analysis:

The global battery additives market has been segmented on the basis of type, application, and region.

By type, the global battery additives market has been classified into conducting additive, porous additive, and nucleating additive.

Based on application, the global battery additives market has been divided into Li-ion batteries and lead-acid batteries. The Li-ion batteries segment is further sub-segmented into industrial application, portable devices, EVs, and others.

Regional Analysis:

The global battery additives market has been spanned across five regions, namely Asia-Pacific, North America, Europe, Latin America, and the Middle East & Africa.

The Asia-Pacific market for battery additives held the largest share in 2017. The expanding automotive industry is the major factor responsible for the growth of the regional market. The advancements and advantages such as mobility and storage properties of Li-ion batteries and lead-acid batteries are increasing the adoption of these batteries in the automotive industry.

The North American market held the second-largest share of the global battery additives market in 2017, owing to the abundant use of the rechargeable batteries and the Li-ion and lead-acid batteries in the electronics and automotive industries. The regional market is expected to witness significant growth during the review period.

The increasing sale of automobiles and technological advancements in the automotive industry are enhancing the growth of the European market.

The growing use of PHEVs, HEVs, and EVs in the automotive industry is expected to fuel the growth of the Latin American market. Shifting interest toward power cars and power storage batteries is another factor responsible for the growth of battery additives market in the region. The Latin American market is expected to show moderate growth during the forecast period.

The Middle East & Africa is projected to witness steady growth during the forecast period, due to the growing demand for smartphones and other electronic appliances in the region.

Market Players:

Cabot Corporation (US), 3M (US), Imerys (France), Hammond (US), SGL Carbon (Germany), Borregaard (Norway), HOPAX (Taiwan), PENOX (Germany), ALTANA (Germany), and US Research Nanomaterials, Inc (US) are some of the major players operating in the global battery additives market.

Intended Audience:

- Battery Additives Manufacturers
- Raw Material Suppliers
- Li-Ion Battery Manufacturers
- Lead-Acid Battery Manufacturers
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