

Automotive Battery Market by Transport Mode (Automotive, Marine & Aerospace), Application (Two Wheelers, Passenger Vehicles, LCV, HCV, Passenger Ships, Tankers, Cargo Ships, Commercial and General Aviation) and Region - Industry Trends & Forecast to 2019

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Abstracts

The demand for lead acid batteries is governed by vehicle production. Battery replacements have reduced as new technologies have extended battery life. With the switch to electronic braking and steering by wire in upscale cars, the 3kW capability of the single 12-volt battery will no longer be sufficient, ushering in the 42-volt system. Two 12-volt batteries may be the interim solution. Hybrid vehicles require a high voltage battery of about 150V, which is currently provided by connecting nickel-metal-hydrate cells in series. Battery manufacturers are asked to provide an 8-10-year warranty to ensure that the battery will last for the life of the car.

Rechargeable Li ion batteries are perceived as likely substitutes for conventional nickel systems in an effort to minimize the mass and volume of the power subsystems in aerospace applications. The on-going consortium of NASA and DoD, after 2 years of existence, has propelled the advancement of aerospace Li ion technology in the U.S.

This report identifies the automotive sector as the most important end-user segment that will present strong opportunities for vendors, as pure electric vehicles are expected to witness longer mass adoption cycles and the push to marketing hybrid vehicles is expected to continue. Along with these factors, it tracks the trends in the marine and aerospace segments, which are moving towards Li ion batteries. The report deep dives into the sub-segments of aerospace, marine, and automotive applications for presenting

the current market scenario and projected trends. .

SCOPE OF THE REPORT

The global battery market is analyzed in terms of volume (thousand units) and value (\$million) by mode of transport, application, regions, and respective major countries

By Region

Asia-Pacific

Europe

North America

RoW

By Mode of Transport

Automotive

Marine

Aerospace

By Application

Passenger Cars

Light Commercial Vehicles

Heavy Commercial Vehicles

Two-wheelers

Passenger Ships

Cargo Ships

Tanker Ships

Commercial Aviation

Business and General Aviation

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