

Automotive lithium-ion (Li-ion) battery demand increased by about 65% to 550 GWh in 2022, from about 330 GWh in 2021, primarily as a result of growth in electric passenger car sales, with new registrations increasing by 55% in 2022 ...

This is the first article in a 5-part series about automotive storage. In this piece we take a look at the ways automotive architecture is evolving and how that evolution is affecting ...

It shows that the state attaches importance to the energy storage industry and further accelerates the development of the power battery industry. ... According to the data ...

Battery storage is an essential enabler of renewable-energy generation, helping alternatives make a steady contribution to the world's energy needs despite the inherently intermittent character of the underlying sources.

Current research is dedicated to the recycling of EV batteries, and a GlobalData report Innovation in Automotive: EV battery storage units highlights Toyota as a key player in ...

but should help industry players better prepare for the uncertainty by discussing potential future scenarios (Text box 2). There are many tough, fundamental, or even existential questions that ...

The rise of 5G, cloud, and edge computing is revolutionizing the automotive industry. In this article, we explore how companies can tap into this technology. ... since it necessitates higher onboard-computing power to ...

2 ???&#0183; The rising connectivity of machines in the context of the Internet of Things and Industry 4.0 also includes vehicle fleets so that real-world battery data from automotive applications ...

The process of Power can be easier and safer by Power Electronics technology in the different applications such as Electric Vehicle (EV), Renewable Energy and Electric Components. Automotive industry with name ...

The United States and Europe experienced the fastest growth among major EV markets, reaching more than 40% year-on-year, closely followed by China at about 35%. Nevertheless, the United States remains the smallest market of ...

In the last three years alone, there have been over 720,000 patents filed and granted in the automotive industry, according to GlobalData's report on Energy storage in automotive: V2X ...

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