

E-Bike Market: Segmented By Class (Class-I, II & III): By Battery (Lithium-Ion, Lithium-Ion Polymer, Lead Acid, Other): By Usage (Mountain/Trekking, City/Urban, Cargo): By Motor (Mid motor and Hub Motor): By Mode (Throttle and Pedal Assist): By Usage (Mountain/Trekking, City/Urban, Cargo) Global Analysis by Market size, share & trends for 2020-2021 and forecasts to 2031

<https://marketpublishers.com/r/EFF0F9EDA692EN.html>

Date: May 2024

Pages: 156

Price: US\$ 5,000.00 (Single User License)

ID: EFF0F9EDA692EN

Abstracts

[174+ Pages Research Report] E-Bike Market to surpass USD 30169.61 million by 2031 from USD 20160.26 million in 2021 at a CAGR of 4.11% within the coming years, i.e., 2021-31.

Product overview

E-Bike are bicycles with battery-powered assistance that comes through pedaling and, in some cases, a throttle. Electric bike is a bicycle with a combined electric motor drive apparatus and battery, which produces power for causing or secondary impulsion. When you drive the pedals on a pedal-assist e-bike, a small motor involves and gives you a lift, so you can vigor up hills and tour over rough terrain without gassing yourself. In addition to the pedal-assist component, some e-bikes come with a throttle that engages the motor with the press of a button. These belong to a distinct class of e-bike that, obviously, doesn't offer a pure cycling experience; they're also illegal in some regions.

Market Highlights

E-Bike Market is predicted to project a notable CAGR of 4.11% in 2031

The Growth of the market is directly related to the demand of E-Bike and awareness towards the environment. Features such as application of government policies to boost the use of electric bikes, consumers leaning toward uses of e-bikes as an eco-friendly & effective resolution for travel, upsurge in fuel costs, and rise in interest in cycling as a fitness & recreational activity are expected to drive the market growth.

Recent Development

In October 2020, Giant Manufacturing launched the Trance X Advanced Pro 29, a full-composite trail bike.

In September 2020, Sparta (a subsidiary of Accell Group N.V.) announced d-Burst, a powerful new speed pedelec.

E-Bike Market: Segments

Lithium-Ion batteries segment to grow with the highest CAGR during 2021-2031

E-Bike Market is segmented by Battery type into Li-Ion, Li-Ion Polymer, Lead Acid, Other. The lithium-ion battery segment is estimated to account for the largest share of the E-Bike market due to lithium-ion batteries' various benefits. For instance, they are eco-friendly, have a better life cycle, and create more power to weight ratio than other battery types. These batteries have also shown a sharp decline in price in recent years. The effort of e-bike manufacturers to yield lightweight e-bikes has also resulted in the higher adoption of lithium-ion batteries.

Mid-motor Segment to grow with the highest CAGR during 2021-2031

The majority of the European and North American e-bike manufacturers are everchanging from Hub to Mid Motors owing to Mid Motors' advantages, such as lighter weight, smaller size, lesser noise, and unified combination with bike frames. Thus, the Mid-Motor segment is predictable to register a higher CAGR during the forecast period.

E-Bike Market: Market Dynamics

Drivers

Trend towards connected E-Bike

With the growing acceptance of e-bikes, there are technological progressions in the ground of e-bikes. The connected e-bike is one such development, wherein the SIM unit allows the e-bike to receive and data to and from the cloud without a connected phone.

Some of the important features offered by the connected e-bike include automatic emergency calls, social media connection, integrated navigation, an anti-theft system, and remote diagnostics. Bosch is one of the main players in the E-Bike market, offering connected e-bike solutions.

Greener and Cleaner Mode of Transportation

Swift urbanization, awareness in people regarding environment, and traffic mobbing in cities are among the factors expected to drive the growth of the demand for e-bikes over the forecast period. E-bikes are measured as a convenient, safe, and reasonable alternative to public transportation. Most countries are working toward increasing e-bikes using both subsidies and regulatory changes to reduce the pressure on public transportation systems. Also, compared to other transport systems, e-bikes are cheaper, easier to charge, and do not need huge reserves in helpful infrastructure. Therefore, an increase in demand for e-bikes is being observed.

Restraints

International trade policies and regulations

Due to Europe's anti-dumping policy, the region was jammed initially as it could not meet the demand for mechanisms. Nevertheless, to overcome this impact, Europe abstracted its emphasis towards developing countries and increased its imports from Thailand, Turkey, Indonesia, and Taiwan, to achieve the demand for e-bikes and related components. Due to the trade war between the US and China, e-bike sales were impacted in the US. However, in November 2019, a new contract was signed between the US and China to end the e-bike trade war.

Impact of the COVID-19 on the E-Bike Market

The world market for E-Bike Market has been severely affected by the outbreak of the COVID19 pandemic. The suspension of industrial activity affected the E-Bike Market due to weak consumer confidence, store closures, and depletion of consumer incomes. Global GDP has changed consumer behavior and reduced demand for E-Bike. To curb the spread of the coronavirus, the governments of several countries have imposed travel restrictions that severely affect the supply of raw materials for coffee makers. The market is projected to resume its business after the end of the curbs-on movement.

E-Bike Market: Key Players

Lucky Jack, LLC (US)

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Accell Group

Derby Cycle

Fuji-ta Bicycle Co., Ltd.

Giant Manufacturing Co., Ltd.

Jiangsu Xinri E-Vehicle Co., Ltd.

Mahindra & Mahindra Ltd. (GenZe)

Prodecotech, LLC

Tianjin Golden Wheel Group Co., Ltd.

Trek Bicycle Corporation

Yamaha Motor Co. Ltd.

Other prominent players

E-Bike Market: Regions

E-Bike Market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and the Middle East, and Africa. Europe is estimated to contribute the largest share of the E-Bike Market during the forecast period. The European market holds a major share of the global market. The market in the region is projected to register the highest CAGR during the forecast period. Asia Pacific is also estimated to expand at higher rate.

E-Bike Market is further segmented by region into:

North America Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR-United States and Canada

Latin America Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR-Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR- United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR-India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

Middle East and Africa Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

E-Bike Market report also contains analysis on:

E-Bike Market: Segmented By Class (Class-I, II & III): By Battery (Lithium-Ion, Lithium-Ion Polymer, Lead Acid...

E-Bike Market Segments:

By Battery

Lithium-Ion,

Lithium-Ion Polymer,

Lead Acid,

Other

By Motor

Mid motor

Hub Motor

By Mode

Throttle

Pedal Assist

Others

By Usage

Mountain/Trekking,

City/Urban,

Cargo

Others

E-Bike Market Dynamics

E-Bike Market Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value chain of the Market

Market Drivers and Restraints

E-Bike Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2021 USD 20160.26 million

Revenue forecast in 2031 USD 30169.61 million

Growth Rate CAGR of 4.11% from 2021 to 2031

Base year for estimation 2021

Quantitative units Revenue in USD million and CAGR from 2021 to 2031

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Class, Battery, Usage, Mode, and Region

Region scope North America; Europe; Asia Pacific; Latin America; Middle East & Africa (MEA)

Key companies profiled Accell Group, Derby Cycle, Fuji-ta Bicycle Co., Ltd., Giant Manufacturing Co., Ltd., Jiangsu Xinri E-Vehicle Co., Ltd., Mahindra & Mahindra Ltd. (GenZe), Prodecotech, LLC, Tianjin Golden Wheel Group Co., Ltd., Trek Bicycle Corporation, Yamaha Motor Co. Ltd.

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**The above given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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