

What is Electric Bike Insurance and How is it Different from Regular Bike Insurance

Category: Business

written by News Mall | April 30, 2025



The acceptance of electric vehicles has increased in recent years due to the rising trends of adopting sustainable practices. As a result, most daily commuters are leaning towards electric two-wheelers.



Electric Bike Insurance

Now, for people planning to buy an EV bike or scooter, electric bike insurance is a factor they must consider. It is a mandatory requirement, just like bike insurance, and knowing the differences between the two and the key factors to consider while choosing can help make informed decisions.

Keep reading!

What is EV Bike Insurance

Electric Vehicle (EV) bike insurance is specifically designed to meet the special needs of electric bikes and scooters. Its coverage would include the subjective coverage of bike insurance, such as third-party liabilities, plus personal accident cover, but all under the ambit of electronic vehicle component risks.

Such plans cover the electric bike's battery, motor, and other

electronic parts. They provide financial protection from potential damages and losses while legally being required to ride the EV two-wheeler on public roads.

Key Difference Between Traditional and Electric Bike Insurance

Fundamentally, both traditional and electric bike insurance are similar. They provide financial protection for the two-wheeler against accidents, theft and more. However, they differ in some aspects:

- Conventional bike insurance covers the engine and mechanical components essential for running petrol-or diesel-powered bikes.
- Electric bike insurance covers the most important parts of EV bikes: the electric motor, battery pack, and associated electronic circuitry.

Types of Coverage Under Electric Bike Insurance Policies

Whether you purchase [bike insurance online](#) or offline, knowing in depth about all the coverage options is customary to make an informed decision. Here are the categories of coverage you will find under EV bike insurance plans:

- **Third-Party Coverage:** This is a legal requirement for all vehicles. It will cover the damage or injuries caused by your EV to third-party individuals, vehicles and properties.
- **Comprehensive Cover:** These insurance policies provide complete protection for your EV bikes. This entails third-party liabilities and damages to your EV or its parts due to accidents, thefts, natural disasters, etc.

EV insurance policies offer various add-on covers to enhance your vehicles protection. Here are some add-on covers to consider:

- **Battery Protection:** The battery is an EV bikes most essential and costly component. This add-on feature covers the batterys repair and replacement costs.
- **Roadside Assistance:** Your EV bike may break down in the middle of the road due to a technical malfunction or damage. This add-on feature helps cover the costs of towing, flat tyre changes, and on-site minor repairs.
- **Zero Depreciation:** This essential add-on cover helps get a full claim settlement for parts replaced after an accident without considering depreciation, which is highly beneficial for costly EV components.

Key Factors to Consider While Buying EV Bike Insurance

While selecting electric bike insurance, it is essential to keep these factors in mind:

▪ Relevance of Insurance Declared Value (IDV)

IDV is the maximum amount you can claim in case of theft or total loss of your EV two-wheeler. Such vehicles and their components are expensive, so ensure that the IDV covers the full value of your electric bike.

▪ Coverage for Battery and Other Parts

EV batteries are expensive yet vital to a bike. Ensure the policy covers battery and electric motor damage or replacement costs.

▪ Personal Accident Cover

It protects the rider from medical and financial losses in an accident. Having this cover is essential to ensure peace of mind during any journey.

▪ Policy Exclusions

Understand the policy's exclusions so you can customise it and take necessary add-on features into account. This will ensure comprehensive protection for your vehicle. Common exclusions include breakdowns, wear and tear of components and substance-related damages.

Benefits of Buying Electric Bike Insurance

Electric bike insurance caters to the specific needs of EVs and provides the following benefits:

▪ Extensive Protection

Electric bike insurance offers comprehensive protection for EV bikes and their components in case of theft, damage, or loss. It also covers third-party liabilities and accidental damages.

▪ Cost Efficient

You can easily purchase electric bike insurance online through various digital platforms. This eliminates intermediary fees and helps you find a suitable policy at the best rate. They also offer multiple discounts throughout the year that will help you save a lot on the premium amount.

▪ Legal Benefits

According to the Motor Vehicles Act 1988, every bike owner needs to have insurance coverage for third-party liabilities. So, buying EV insurance will help you easily navigate the legal aspects of owning an electric bike.

How to Choose the Right Insurance for Your EV Bike

While choosing an insurance policy for your EV bike, it is essential to consider the following key factors:

▪ Assess Your Needs

Consider your vehicle usage and analyse the possible associated risks related to its components. It will help you determine an adequate coverage amount for your bike.

▪ Research and Compare Policies

Evaluate multiple policies and insurance providers for better insights into their offerings and pricing. This will help you find the best option that meets your needs and fits your budget.

▪ Carefully Read the Policy Documents

Attentively read all the policy documents to understand the terms and conditions, coverage, exclusions, etc., to avoid any hassle during claim settlement or policy renewal.

Since electric two-wheelers have unique needs, investing in electric bike insurance is wise. With the right insurance plan, you can ride stress-free, comply with the legal requirements and reduce out-of-pocket expenses in case of any unforeseen mishaps.

