

India's "Battery Passport" System

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India's "Battery Passport" System Latest News

India is set to roll out a "Battery Passport" system to give electric vehicle (EV) owners detailed digital information about the batteries in use.

About India's "Battery Passport" System

- It is a system to **give electric vehicle (EV) owners detailed digital information about the batteries** in use.
- The system will **digitally record each battery's specifications** — including its source, composition, performance, lifecycle, and supply chain — and **embed this data in a QR code**.
- A **battery passport serves as an Aadhaar identity of sorts**, with **every battery having a unique ID** that **provides all information on the product**.
- The initiative is expected to **enhance safety and quality benchmarks** while also **boosting India's EV export potential**.

- The system will also play a key **role in the upcoming battery-swapping policy**, enabling users to **retrieve battery details by scanning the QR code** printed on them.
- Once the battery passport system is implemented, it will be possible to **ensure that cells in any battery are manufactured in the same year**.
- Through it, users will get to **know about the lifecycle and performance** of batteries, which is key considering they account for nearly 40% of the costs of EVs.

Source: ET

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