



ŁOTWA SYSTEM

Price of adding range extender battery cabinet





Overview

What is a range extender system?

As the name suggests, it extends the range of an electric vehicle. A range extender system essentially consists of an additional electric motor that acts as a generator, an inverter for voltage conversion and a small combustion engine. The latter powers the generator, which charges the high-voltage battery on the go whenever needed.

What are EV range extenders?

To enable range extension in electric vehicles, EV range extenders contain a generator, battery packs, converters, and electric motors, among other components. The EV range extenders market is predicted to grow due to a surge in demand for electric vehicles (EVs) and increased sales of EVs in emerging nations due to emission concerns.

How efficient is a range extender?

Since a permanently excited electric motor (PSM) with scalable power outputs of 70kW to 110kW serves as a generator in the "eRE," the range extender is highly efficient. "One advantage for our customers is that we can rely on robust and proven components from our electric and hybrid vehicle portfolio for the range extender.

What is an example of a range extender?

An example of this is the range extender. As the name suggests, it extends the range of an electric vehicle. A range extender system essentially consists of an additional electric motor that acts as a generator, an inverter for voltage conversion and a small combustion engine.



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