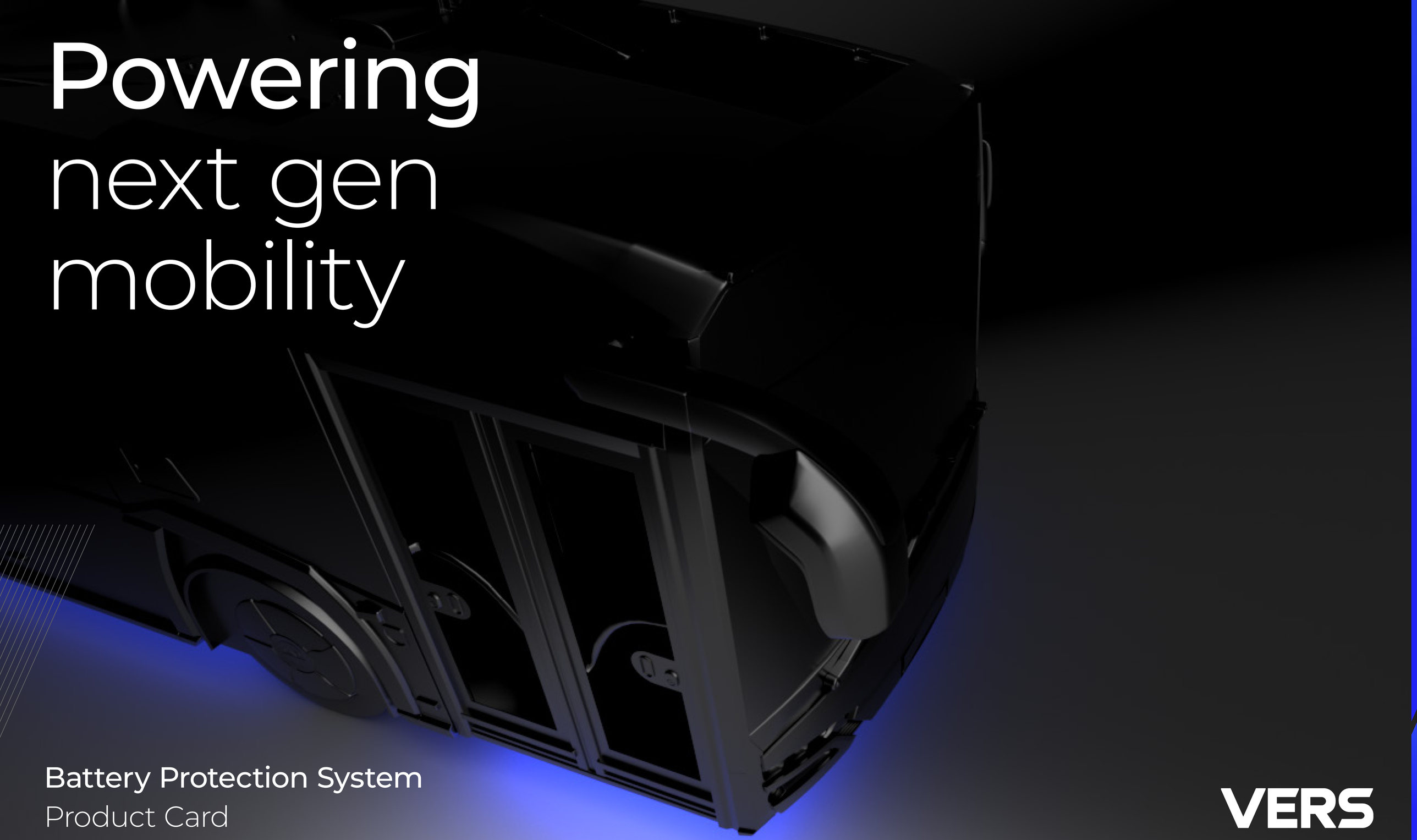
Powering next gen mobility



Battery Protection System

Product Card

VERS

New standard of protection

Urban fleets operate within a driving cycle that presents a unique challenge to their electrical systems. Frequent stops, short routes, and intensive use of the starting system accelerate battery degradation, significantly shortening their service life.

The VERS BPS Protection System has been developed in response to these challenges. Our technology acts as **an intelligent shield**, protecting batteries from excessive loads and extreme charging currents. It ensures extended battery longevity, reducing the risk of failures and lowering operational costs.

Working **principle**

Active Protection

During engine start-up, when the starter draws a large amount of energy, the battery experiences a sudden voltage drop. In response, the alternator generates current at maximum power, attempting to restore system stability as quickly as possible. Repeated load surges, typical of urban driving cycles, accelerate battery wear and lead to gradual cell degradation.

The VERS BPS System effectively eliminates this issue by controlling the charging current within a range of 10 to 100 A, depending on the vehicle's specifications and energy demand. This prevents sudden voltage spikes, minimizes abrupt overloads, and ensures a gradual, controlled replenishment of battery energy. By regulating the charging current, the system protects battery cells from the damaging effects of high current intensity, significantly extending battery lifespan and enhancing reliability in demanding operating conditions.

VERS

Battery Protection System

Intelligent Shield

The VERS BPS system effectively addresses battery degradation issues in vehicles operating in urban driving cycles. By precisely managing the charging current, the system minimizes loads that could lead to premature battery wear.

Reduced Operating Costs

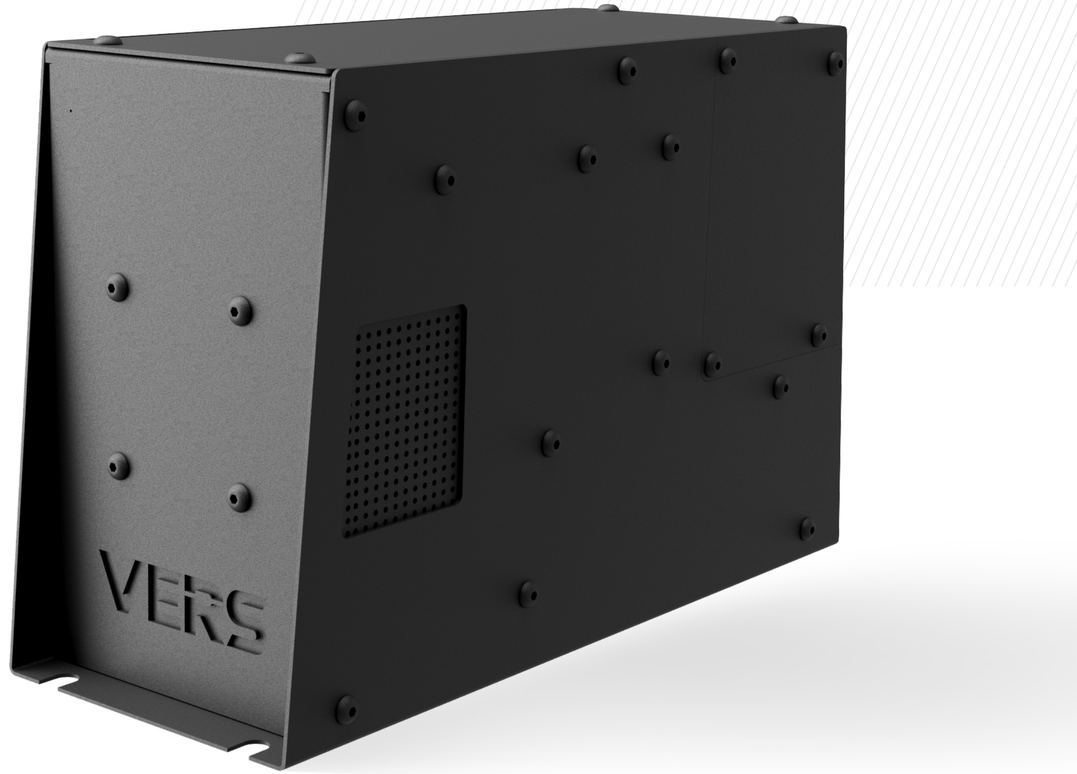
Thanks to advanced energy management technology, the BPS system can extend battery lifespan multiple times, resulting in fewer replacements and reduced maintenance downtime.

Easy Implementation

Its compact dimensions and lightweight design make it a plug & play device that can be used in any vehicle equipped with a CAN interface.

10 - 100 A
Adjustable
Charging Current

12 - 32 V
Rated Voltage



Dimensions: **128 x 350 x 212 mm**
Weight: **8 kg**

ISO 9001:2015
Certification

CE Certification

VERS

Customer **Contact**

We are delighted to know your views. If you need additional information or would like to test VERS Systems onboard your vehicles, please feel free to contact our Customer Team.

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