

New standard of economy

Onboard vehicle systems, such as air conditioning, heating, lighting, passenger information displays, and surveillance, place a constant and significant demand on electrical power. In combustion and hybrid vehicles, this power comes from fuel. The higher the demand, the greater the fuel consumption and the strain on the alternator and batteries. In electric vehicles, these systems draw energy from the traction battery, reducing driving range and requiring more frequent charging.

VERS Solar Roof is a solution that integrates photovoltaic technology directly into the vehicle to ease the load on primary power sources. It supplies energy to onboard systems, supports auxiliary batteries, and helps reduce total operating costs.





Made to measure

Flexible photovoltaic panels, manufactured to any required size, enable precise adjustment of system output to the available mounting surface and the vehicle's energy demand.

VERS Solar Roof enables flexible configuration — from compact auxiliary installations to systems that fully power key onboard components. System sizing is based on an analysis of the vehicle's energy profile and operating conditions, allowing for optimized return on investment and maximum cost savings.



Warranty Extended

Unlike conventional stationary installations, photovoltaic panels mounted on vehicles are exposed to exceptionally demanding operating conditions — including vibrations, temperature fluctuations, moisture, and dynamic mechanical loads.

As a pioneer in automotive solar technology, we combine premium components with rigorous testing to deliver unmatched reliability — backed by a 10-year performance warranty on our photovoltaic panels.

It's not only proof of their durability and resistance to extreme conditions, but also a long-term guarantee of stable system performance for fleet operators.



Solar Roof System

Lower Fuel Costs and Confident Starts

By reducing the load on the alternator, VERS Solar Roof can cut fuel consumption by several percent — a major benefit for energy-intensive vehicles. Constant battery support ensures reliable engine start-ups, even after long idle periods.

Extended Range in Electric Vehicles

Using solar energy to power onboard systems reduces the consumption of energy from the traction battery, effectively increasing the vehicle's driving range.

Cost Optimization (TCO)

Reduced energy consumption, lower system load, and extended component lifespan directly contribute to lowering the vehicle's total cost of ownership.

Strengthening Brand Reputation

The use of renewable energy solutions reflects a modern, environmentally responsible fleet strategy — reinforcing the image of operators as leaders in sustainable transport.













Certification





Customer Contact

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

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