

How the Škoda Octavia m-Hybrid works

Smarter efficiency through 48V technology

The Škoda Octavia m-Hybrid combines a 1.5 litre turbocharged petrol engine with an advanced 48V electrical system. Designed to improve efficiency and driving refinement, the system works automatically in the background to recover, store and reuse energy that would otherwise be lost.

At the heart of the system is a 48V belt driven starter generator and a compact lithium ion battery.

How it works:

Recovers energy

When you brake or lift off the accelerator, the starter generator captures energy that would normally be lost and stores it in the 48V battery.

Supports the engine

The stored energy can be used to assist the petrol engine during acceleration and higher load situations, helping deliver smooth and responsive performance.

Engine off coasting

During suitable driving conditions, particularly on open roads, the system can temporarily switch the engine off while coasting. The 48V battery continues powering key vehicle systems, helping reduce fuel consumption.

Smooth engine restarts

When power is needed again, the 48V starter generator restarts the engine quickly and seamlessly, enhancing driving refinement.

Benefits:

- › Improved fuel efficiency through energy recovery and engine off coasting
- › Responsive acceleration and overtaking performance
- › Smooth and refined stop start operation
- › Reduced emissions and smarter energy use
- › Effective during open road driving, where coasting opportunities are more frequent

No charging, no hassle

The 48V battery charges itself by recovering energy during braking and deceleration. There are no charging cables, no charging routine and no change to your driving habits. Simply refuel as normal and enjoy the benefits of smarter energy management.

Smarter by design

The Octavia m-Hybrid intelligently captures and reuses energy to help reduce fuel consumption and enhance driving refinement, delivering efficient everyday performance without requiring any additional effort from the driver.

