

ALL-NEW FORD MONDEO HYBRID



Go Further

1 INVERTER SYSTEM CONTROLLER

Manages hybrid powertrain control, including DC-to-AC conversion driving the electric motors in the transmission for optimal fuel economy, while providing the performance drivers want

2 ELECTRIC AC COMPRESSOR

Specifically designed for electrified vehicle application, the air conditioning compressor draws energy directly from the high voltage battery pack, which allows the engine to turn off more frequently to save fuel while enabling cabin cooling to continue operating

4 ELECTRIC WATER PUMPS

Main pump provides engine cooling. Smaller pumps provide inverter system controller cooling and heater core coolant circulation when engine is off

5 ELECTRIC POWER STEERING

Tuned to deliver class-leading steering feel, and offers available active park assist

7 REGENERATIVE BRAKING

More than 95 percent of the energy normally lost through braking can be recovered and stored in the battery via the electric drive

8 ELECTRIC VACUUM PUMP

Provides energy-efficient power-assisted braking

9 ENGINE CONTROL MODULE

Manages engine control systems to maximize fuel economy and minimize emissions

10 ADVANCED LITHIUM-ION BATTERY PACK

The air cooled battery has a total capacity of 1.4 kWh. Placed in the back of the car the battery housing also contains the battery control module, managing temperature and state of charge, and the DC-to-DC converter. The converter provides power to charge the 12V battery and to run the 12V electrical system.



3 2.0-LITRE ATKINSON-CYCLE GASOLINE ENGINE

All-new high-efficiency advanced four-cylinder engine with independent variable camshaft timing delivers fuel efficiency and performance

6 HYBRID TRANSMISSION

Includes an electric traction motor coupled with a generator in a powersplit transaxle. Provides electronically controlled continuously variable transmission function, which harmoniously manages power from the gasoline engine and electric drive, using a planetary gearset

MONDEO HYBRID FACTS

Final assembly location: Valencia Assembly Plant, Spain

Battery pack assembly location: Ford Rawsonville Plant, Ypsilanti, Mich.

Battery system: Lithium-ion, air cooled, recyclable

Total battery capacity: 1.4 kWh

Total system horsepower: 138 kW/187 PS

Top Speed: 187km/h

Fuel Economy:*4.2l/100km (67.3mpg); 99 g/km CO₂

*The declared Fuel/Energy Consumptions, CO₂-Emissions and Electric range are measured according to the technical requirements and specifications of the European Regulations (EC) 715/2007 and (EC) 692/2008 as last amended. Fuel consumption and CO₂-Emissions are specified for a vehicle variant and not for a single car. The applied standard test procedure enables comparison between different vehicle types and different manufacturers.

In addition to the fuel efficiency of a car, driving behaviour as well as other non-technical factors play a role in determining a car's fuel/energy consumption, CO₂ emissions and electric range. CO₂ is the main greenhouse gas responsible for global warming.