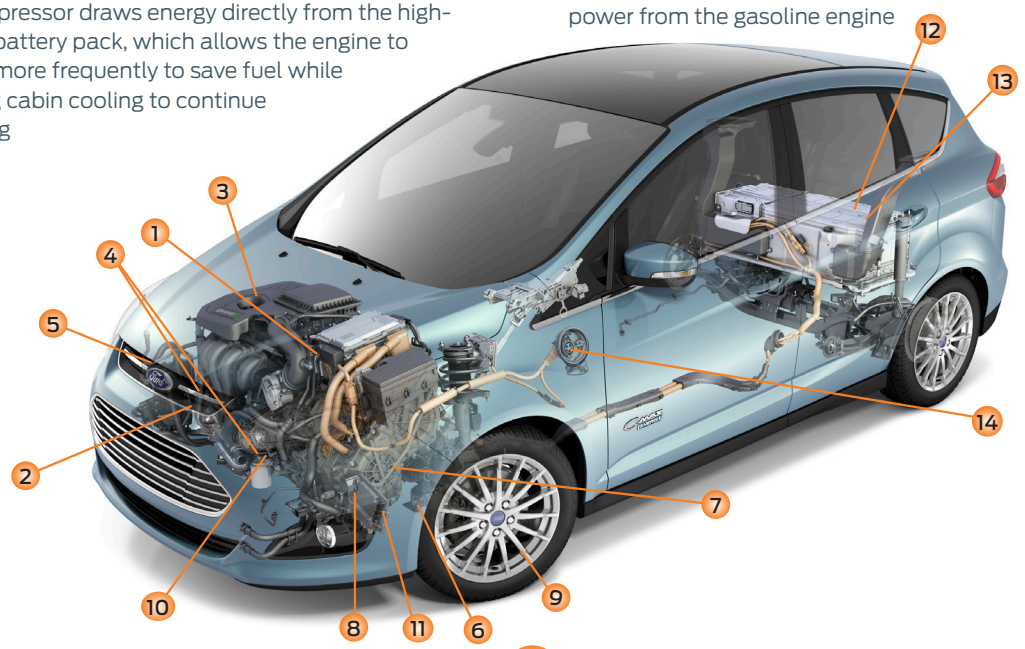
All-New Ford C-MAX Energi Plug-In Hybrid

The all-new Ford C-MAX Energi plug-in hybrid delivers up to 108 MPGe and 620 miles of total range, including 21 miles in electric-only mode. The fuel economy and range is delivered largely through an advanced lithium-ion battery and electric traction motor paired with a high-efficiency Atkinson-cycle gasoline engine, along with many other state-of-the-art technologies developed and patented over the last 20 years.

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 AIR CONDITIONING COMPRESSOR
Specifically designed for electrified vehicle application, the 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



3 2.0-LITER ATKINSON-CYCLE GASOLINE ENGINE
All-new high-efficiency advanced four-cylinder engine with independent variable camshaft timing delivers fuel efficiency and performance

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 HEATER
Energy-efficient technology to heat coolant specifically designed for electrified vehicle application

6 ELECTRIC POWER STEERING
Tuned to deliver class-leading steering feel, and offers available active park assist

7 HYBRID TRANSMISSION
Includes an electric traction motor, capable of providing 88 kW of power, coupled with a generator in a powersplit transaxle. Provides electronically controlled continuously variable transmission function, which harmoniously manages power from the gasoline engine

8 TRANSAXLE OIL PUMP
Provides powersplit transaxle cooling required by increased electric-only driving

9 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

10 ELECTRIC VACUUM PUMP
Provides energy-efficient power-assisted braking

11 ENGINE CONTROL MODULE
Manages engine control systems to maximize fuel economy and minimize emissions

12 ADVANCED LITHIUM-ION BATTERY PACK
Total energy of 7.6 kWh with air cooling for thermal management includes:
- Control module that manages temperature and state of charge
- DC to DC converter that provides 12V battery to power various vehicle accessories (headlights, etc.)

13 ONBOARD CHARGER MODULE
Packaged in battery pack, converts AC utility power to DC battery storage energy

14 CHARGE PORT LIGHT RING
Standard SAE J1772 plug interface for charging. External state of charge indicator

Green

Smart

C-MAX ENERGI FACTS

Final assembly location: Michigan Assembly Plant, Wayne, Mich.

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

Battery system: Lithium-ion, air-cooled, recyclable

Total battery capacity: 7.6 kWh

Charge time: 2.5 hours (240 V), 7 hours (120 V)

Estimated cost to fully charge vehicle: Less than $1 (based on nationwide average cost of $0.10 per kWh)

Electric range: 21 miles

Total vehicle range: 620 miles

Fuel efficiency: 108 MPGe city/92 MPGe highway/100 MPGe combined

Electric-only top speed: 85 mph

Total system horsepower (depletion): 195 (145 kW)

Total system horsepower (sustain): 188 (140 kW)