



Chrysler Portal Concept **POWERTRAIN**

Chrysler Portal Concept Charged for Long-distance EV Future

- Chrysler Portal concept's advanced approximate 100 kilowatt-hour lithium-ion battery pack gives six-passenger vehicle a range of more than 250 miles on a full charge
- Next-generation DC Fast Charger technology adds 150 miles of range in less than 20 minutes, which makes the Chrysler Portal concept suitable for long trips
- Powertrain configuration maximizes interior space

The Chrysler Portal concept envisions a future where an electric powertrain is flexible enough to handle the evolving demands of the next generation of vehicle buyers – ranging from daily, multi-stop runs in an urban setting to long-distance cross-country travel.

The battery-powered Chrysler Portal concept electric vehicle was unveiled today at CES 2017 in Las Vegas.

The heart of the Chrysler Portal concept is its lithium-ion battery pack, mounted underneath the vehicle floor. The battery pack's energy is rated at about 100 kilowatt-hours (kWh.) Fully charged, the battery pack gives the Portal an estimated driving range of more than 250 miles.

DC Fast Charger adds 150 miles of range to the battery in less than 20 minutes, making stops during long-distance travel a comparable experience to that of today's gasoline-powered vehicles. The Chrysler Portal concept uses an industry-accepted Combined Charge System (CCS) plug to connect to the next generation of high power, 350-kilowatt DC charging stations.

The charge port is concealed behind an access door in the Portal's front fascia. During charging, the Chrysler winged badge on the front fascia pulses with light to indicate the battery pack's charge level.

Electricity from the battery pack powers a single electric motor, mounted under the concept's hood, that drives the front wheels.

A new generation of FCA Powernet electrical vehicle architecture is highly flexible, accepting 800-volt, 48-volt and 12-volt components on the same network.



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