

2021 Ford Mustang Mach-E Premium RWD ER

Rear Wheel Drive (RWD) – 290 HP Motor – 6.1 Sec 0-60 MPH

88 kW Extended Range (ER) Battery – 305 Mile EPA Range

117.5” Wheelbase – 186.6”L x 74.1”W x 63.8”H

Rear Cargo Space 29.7 cubic feet (59.7 with rear seat folded)

Front Cargo Space (Frunk) 4.7 cubic feet with drains for ice melt

Top Speed 114 MPH (Car has only gone to 80 MPH)

Adaptive Cruise Control, BLIS, and other safety systems

15.5’ Portrait Touchscreen Display – Carplay & Android Auto

Cellphone can be used as a key (PAAK)

Built January 12, 2021 (Job 1) at Cuautitlán Assembly, Mexico

Purchased April 21, 2021 as an “orphan”



Some Over-The-Air (OTA) updates since purchase:

- Improved DC fast charging curve
- BlueCruise – Hands Free Highway Driving

Home Charging / Range

Level 2 EVSE (9.6kW) @ Home

- Outside Installation (No Garage)
- 240 V 50 A circuit
- 40 A Maximum Current (NEC)
- Charge to 90% overnight
- Charge to 100% before trips

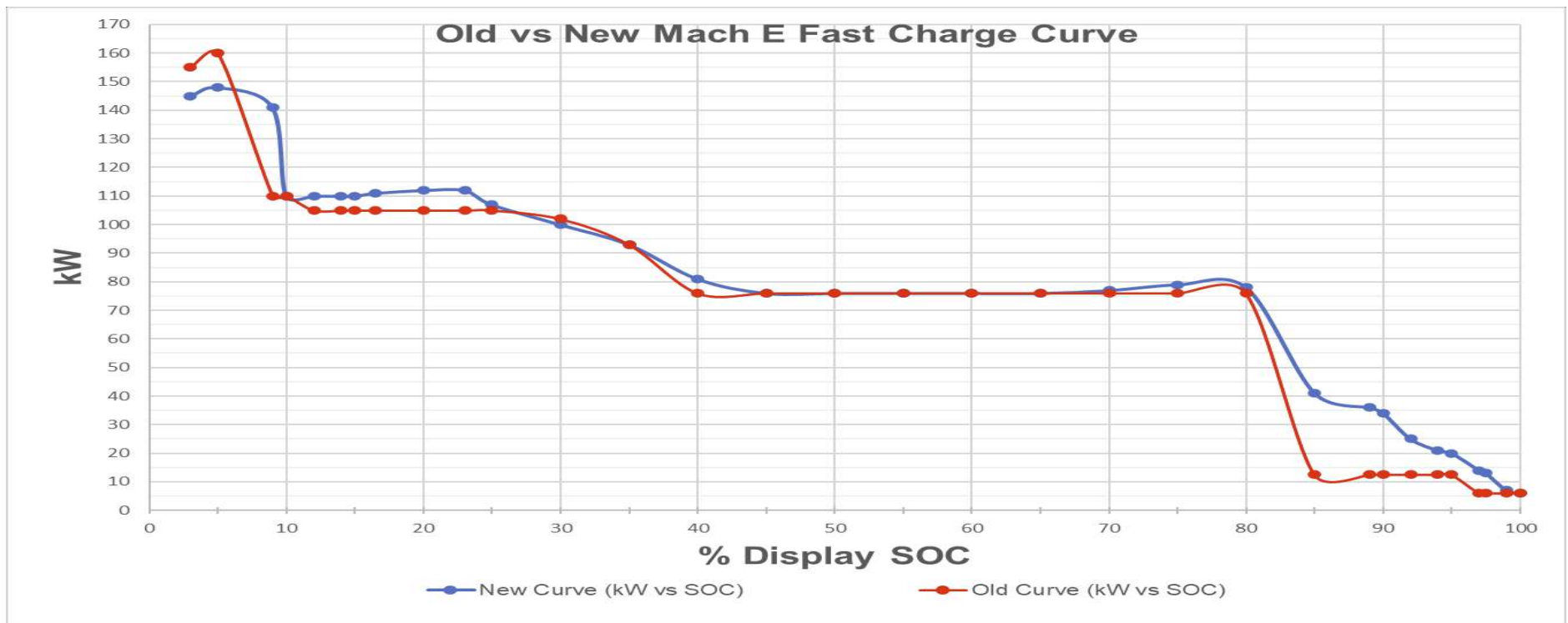


EPA Range is 305 miles, but nobody, except Kyle, goes from 100% to 0%. Ford recommends 90% with occasional 100% maximum. The practical minimum is 7% to 10%. Efficiency, measured in miles per kW, depends on speed, terrain, and temperature.

My Usage	Miles/kW	80%-10% Range	90%-10% Range	100%-0% Range
Winter Commuting	2.9	178 miles	204 miles	255 miles
Alberta Road Trip	3.3	203 miles	232 miles	290 miles
Ohio Trip	3.5	215 miles	246 miles	308 miles
Summer Commuting	3.7	227 miles	260 miles	325 miles

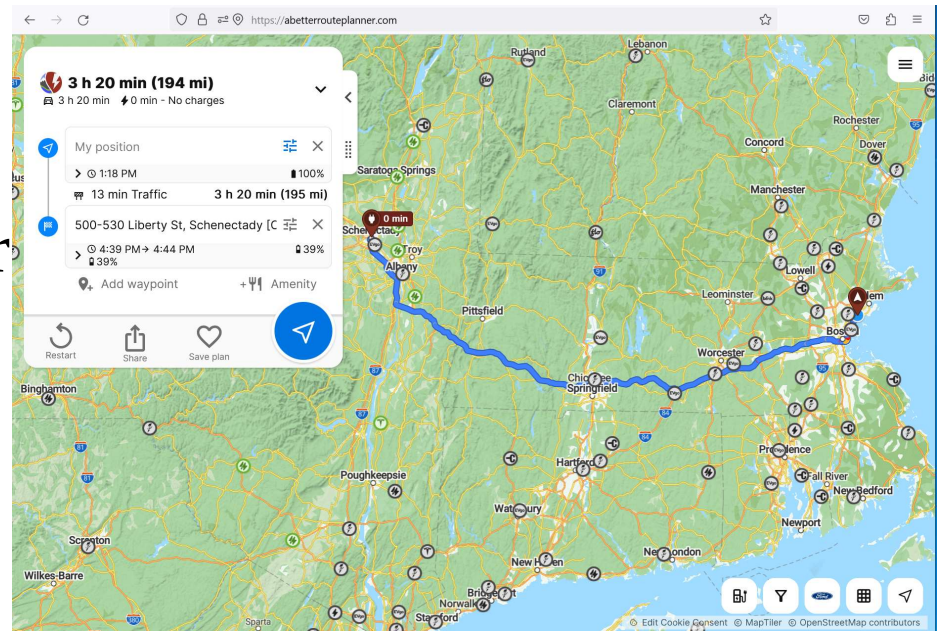
Fast Charging

Level 3 (DC Fast Charging) is done during road trips. The usual maximum is 80% due to the charging curve. It takes about 40 minutes to go from 20% to 80% using a 150kW charger. The charging curve improved with an OTA update. I also have the tools and Ford FDRS software to update modules in my car.



Trip Planning

I use several tools to plan trips and find chargers. The Ford in-car navigation can do trip planning, including charging stops, and charger searches. I also use A Better Route Planner (ABRP).



Plugshare is a crowd-sourced application that gives charger information, including status for some chargers. Users will usually comment on their charger experience.

