

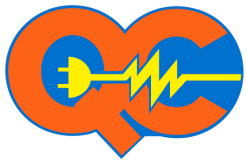
70% Capacity

Rav4 Range Chart for 41.8 kWh Tesla Battery

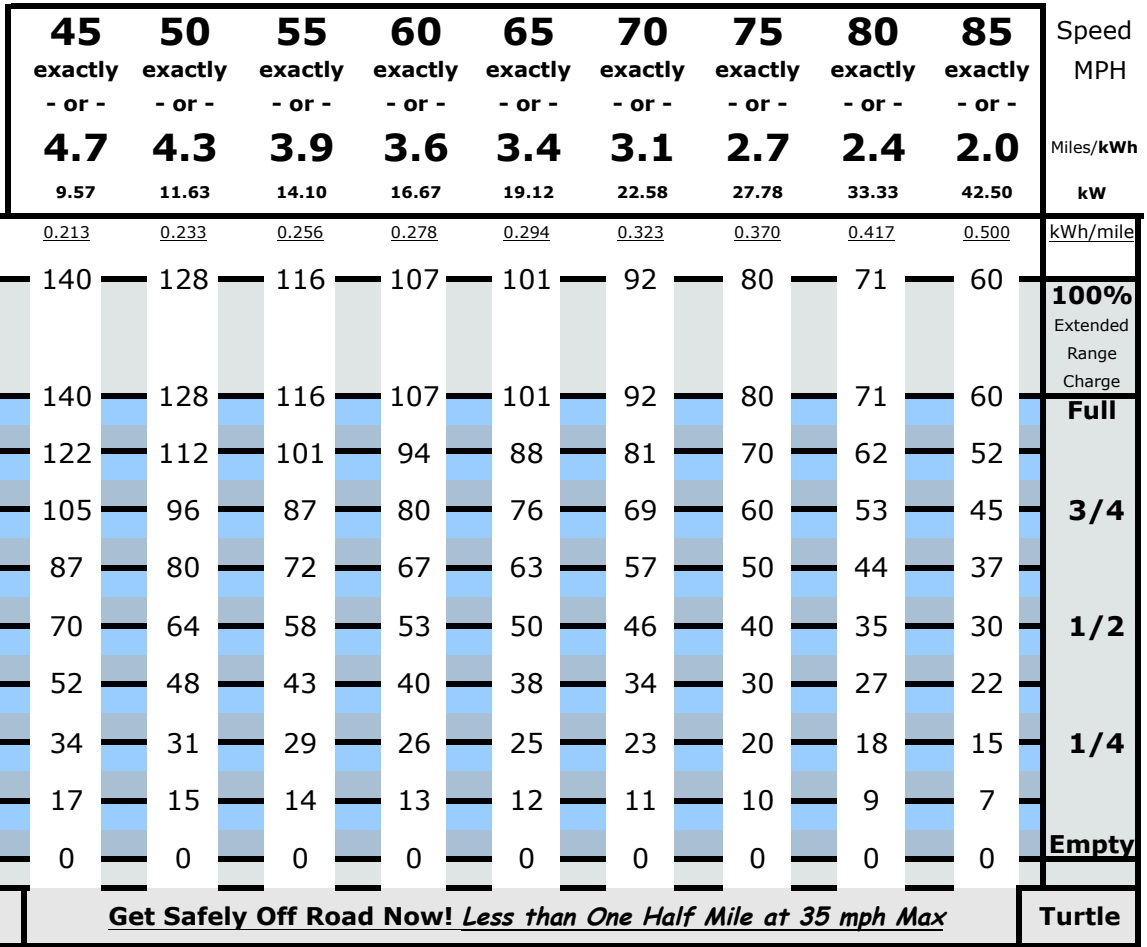
30% Battery Degradation

Level Road, No Heating/Air Conditioning, Ambient/Battery Temp 70F, Windows Closed

English Measure



QUICK CHARGE POWER



mph	45	50	55	60	65	70	75	80	85
Miles/kWh	4.7	4.3	3.9	3.6	3.4	3.1	2.7	2.4	2.0

Fuel Bar 2 = Low Battery Warning (LBW); Fuel Bar 1 = Very Low Battery; Fuel Bar 0 = Climate Control Limited (CCL)

Range can be significantly reduced battery cell imbalances - the car can stop with one fuel bar
 This chart's range data is not associated with the the dash estimated range data (GOM), or EnTunes data
 Data: 41.8kWh usable new battery capacity factor. **MAXIMUM RANGE at about 15-20mph** (not average speed)
 Add **One mile** of range @ 65mph (or 3.4m/kWh) for every **17 minute** charge at **120 volt / 12 amp**
 Add **One mile** of range @ 65mph (or 3.4m/kWh) for every **3 minutes** of charge at **208 volt / 30 amp**
 For Urban Stop-Go driving, select data from column that matches estimated miles/kWh column, NOT speed

- Elevation: Subtract 1.8kWh for every 1000 ft
Add 1kWh for every 1000 ft decrease
- Wind: Select Speed based on Headwind; 60mph with 10mph headwind equals 70mph data
- Temperature: Reserved until such time as we learn the power requirements of TMS
- Battery Degradation: expect 10% at 50,000 miles and 20% at 100,000 miles
- Climate Control: seat heaters use only 0.025kW! The cabin heater & battery heater use 6kW each
- 5b. Cabin air conditioning is very efficient and a low consumption user compared to heaters
- Density Altitude: Increase range 1% per 1000 ft for air density above sea level
- Heavily loaded cars and cars driving through standing water, snow or slush use more energy

DISCLAIMER:

YOUR RANGE MAY VARY
 USE AT YOUR OWN RISK

English
 Ver 70.2