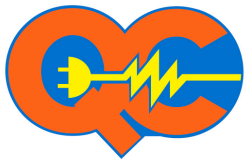


80% Capacity

20% Battery Degradation



QUICK CHARGE POWER

Rav4 Range Chart for 41.8 kWh Tesla Battery

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

45 exactly	50 exactly	55 exactly	60 exactly	65 exactly	70 exactly	75 exactly	80 exactly	85 exactly
- or -	- or -	- or -	- or -	- or -	- or -	- or -	- or -	- or -
4.7	4.3	3.9	3.6	3.4	3.1	2.7	2.4	2.0
9.57	11.63	14.10	16.67	19.12	22.58	27.78	33.33	42.50

English Measure

Speed MPH

Miles/kWh

kWh

Usable kWh	Total %	Segment kWh	Fuel Bar	0.213	0.233	0.256	0.278	0.294	0.323	0.370	0.417	0.500	kWh/mile
33.4	100	1.9		157	144	130	120	114	104	90	80	67	100% Extended Range Charge
31.5	94	2.0	16	148	135	123	113	107	98	85	76	63	Full
29.5	88	2.0	15	129	118	107	99	94	85	74	66	55	3/4
27.5	82	2.0	14	111	101	92	85	80	73	64	57	47	
25.6	76	2.0	13	92	84	77	71	67	61	53	47	39	
23.6	71	2.0	12	74	67	61	56	53	49	42	38	31	1/2
21.6	65	2.0	11	55	50	46	42	40	36	32	28	23	1/4
19.6	59	2.0	10	36	33	30	28	26	24	21	19	15	
17.6	53	2.0	9	18	16	15	14	13	12	10	9	8	
15.7	47	2.0	8	0	0	0	0	0	0	0	0	0	Empty
13.7	41	2.0	7										
11.7	35	2.0	6										
9.7	29	2.0	5										
7.7	23	2.0	4										
5.8	17	2.0	3										
3.8	11	2.0	2- LBW										
1.8	5	1.8	1- VLB										
0	0.0	0	0- CCL										

Turtle

Get Safely Off Road Now! Less than One Half Mile at 35 mph Max

Turtle

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
- 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 80.2