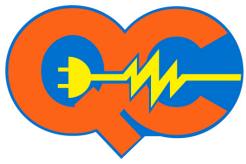


100% Capacity

Rav4 Range Chart for 41.8 kWh Tesla Battery

0% Battery Degradation



QUICK CHARGE POWER

Level Road, No Heating/Air Conditioning, Ambient/Battery Temp 70F, Windows Closed											English Measure		
											Speed MPH		
											Miles/kWh		
											kWh		
45	50	55	60	65	70	75	80	85					
exactly	exactly	exactly	exactly	exactly	exactly	exactly	exactly	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					
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
41.8	111	6.8		196	180	163	150	142	130	113	100	84	100%
35.0	84	2.2	16	165	151	137	126	119	109	95	84	70	Full
32.8	78	2.2	15	144	132	119	110	104	95	83	73	61	3/4
30.6	73	2.2	14	123	113	102	94	89	81	71	63	52	
28.4	68	2.2	13	102	94	85	78	74	68	59	52	44	1/2
26.2	63	2.2	12	82	75	68	63	59	54	47	42	35	
24.0	57	2.2	11	61	56	51	47	44	40	35	31	26	1/4
21.8	52	2.2	10	40	37	34	31	29	27	23	21	17	
19.6	47	2.2	9	20	18	16	15	14	13	11	10	8	Empty
17.4	42	2.2	8	0	0	0	0	0	0	0	0	0	
15.2	36	2.2	7										
13.0	31	2.2	6										
10.8	26	2.2	5										
8.6	21	2.2	4										
6.4	15	2.2	3										
4.2	10	2.2	2- LBW										
2.0	5	2.0	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
- 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 100.2