70% Capacity		Rav4 Range Chart for 41.8 kWh Tesla Battery									English	
30% Battery Deg	radation	Level Road, No Heating/Air Conditioning, Ambient/Battery Temp 70F, Windows Closed									Measure	
		45 exact	y exactly	55 exactly	60 exactly	65 exactly	-	75 exactly	80 exactly	85 exactly	Speed MPH	
		- or - <b>4.7</b>		- or - 3.9	- or - <b>3.6</b>	- or - <b>3.4</b>	- or - <b>3.1</b>	- or - <b>2.7</b>	- or - <b>2.4</b>	- or - <b>2.0</b>	Miles/ <b>kWh</b>	
QUICK CHARGE POWER		9.57	11.63	14.10	16.67	19.12	22.58	27.78	33.33	42.50	kW	
Usable Total Segment kWh % kWh	t Fuel Bar	<u>0.213</u>	<u>0.233</u>	0.256	0.278	0.294	0.323	<u>0.370</u>	0.417	<u>0.500</u>	<u>kWh/mile</u>	
29.8 <b>100</b> 0.0	Dui		128 -								<b>100%</b> Extended Range Charge	
29.8 100 1.9	16	- 140	128	116	- 107 -	- 101 -	92	80	- 71 -	60 -	Full	
<u>27.9 94 1.9</u> 26.0 87 1.9	15 14	122	112	101	94 -	- 88 -	81	70 -	62 -	<b>-</b> 52 <b>-</b>	1	
24.1 81 1.9	13	105	96 -	87 -	80 -	- 76 -	69 -	60 -	53 -	45 -	3/4	
22.3 <b>75</b> 1.920.4 <b>69</b> 1.9	12 11	87	80 -	72	67 -	63	57	- 50 -	_ 44 _	37		
18.5         62         1.9           16.7         56         1.9	10 9											
14.8 50 1.9	8	- 70	64	- 58 -	- 53 -	- 50 -	- 46 -	- 40 -	- 35 -	- 30 -	1/2	
<u>12.9</u> <u>43</u> <u>1.9</u> 11.1 <u>37</u> <u>1.9</u>	7 6	52	- 48	43 -	- 40 -	- 38 -	34	- 30 -	- 27 -	- 22 -		
9.2 <b>31</b> 1.9	5	34		29	26	- 25 -	23	_ 20 _	18	15	1/4	
7.3251.95.4181.9	4										_/ -	
3.6         12         1.9           1.7         6         1.7	2- LBW 1- VLB	- 17	- 15 -	- 14 -	- 13 -	- 12	- 11 -	- 10 -	- 9 -	- 7 -	Ements	
<u>1.7 6 1.7</u> 0 0.0	0- CCL	0	0	0	0	0	0	0	0	0	Empty	
Turtle			Get Safel	y Off Roa	d Now! <u>/</u>	Less than	n One Half	Mile at 3	5 mph Ma	<u>x</u>	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 Limted (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 <u>new</u> battery capacity factor. <u>MAXIMUM RANGE at about 15-20mph</u> (not average speed)												
Add <b>One mile</b> of range @ 65mph (or 3.4m/kWh) for every <b>17 minute</b> charge at <b>120 volt / 12 amp</b>											-	
Add <b>One mile</b> of range @ 65mph (or 3.4m/kWh) for every <b>3 minutes</b> of charge at <b>208 volt / 30 amp</b> For Urban Stop-Go driving, select data from column that matches estimated miles/kWh column, NOT speed												
1. Elevation: Subtract 1.8kWh for every 1000 ft												
			Add 1kWh for every 1000 ft decrease									
	2. Wind: Select Speed based on Headwind; 60mph with 10mph headwind equals 70mph data											
DISCLAIMER	<ol> <li>Temperature: Reserved until such time as we learn the power requirements of TMS</li> <li>Battery Degradation: expect 10% at 50,000 miles and 20% at 100,000 miles</li> </ol>											
YOUR RANGE MAY	<b>5.</b> Climate Control: seat heaters use only 0.025kW! The cabin heater & battlery heater use 6kW each											
USE AT YOUR OWN	<b>5b.</b> Cabin air conditioning is very efficient and a low consumption user compared to heaters											
English	<ul> <li>6. Density Altitude: Increase range 1% per 1000 ft for air density above sea level</li> <li>7. Heavily loaded cars and cars driving through standing water, show or sluch use more energy</li> </ul>											
Ver 70.2		7. Heavily loaded cars and cars driving through standing water, snow or slush use more energy										