

Nissan LEAF Range Chart for 24kWh Battery

English

Level Road, No Heating or Air Conditioning, Battery Temp 70F/20C, Windows Closed



35	40	45	50	55	60	65	70	75	Speed MPH
exactly	exactly	exactly	exactly	exactly	exactly	exactly	exactly	exactly	
- or -	- or -	- or -	- or -	- or -	- or -	- or -	- or -	- or -	
6.3	5.9	5.2	4.6	4.3	3.9	3.6	3.3	3.0	Miles/kWh
5.56	6.78	8.65	10.87	12.79	15.38	18.06	21.21	25.00	kW

Battery Gids	Fuel Bar	9/bar	8.5/bar	8/bar	7/bar	6.5/bar	6/bar	5.5/bar	5/bar	4.5/bar	Fuel Bar
281	100.0%	132	121	111	97	89	82	75	68	62	12
257	91.5%	125	114	105	92	85	78	71	65	59	11
236	84.0%	116	105	97	85	78	72	65	60	54	10
219	77.9%	107	97	89	78	72	66	60	55	50	9
199	70.8%	98	88	81	71	65	60	54	50	45	8
186	66.2%	89	80	73	64	59	54	49	45	41	7
163	58.0%	80	71	65	57	52	48	43	40	36	6
143	50.9%	71	63	57	50	46	42	38	35	32	5
122	43.4%	62	54	49	43	39	36	32	30	27	4
102	36.3%	53	46	41	36	33	30	27	25	23	3
88	31.3%	44	37	33	29	26	24	21	20	18	2
73	26.0%	32	27	23	19	17	15	13	12	11	1
49	17.4%	24	20	17	14	13	12	11	10	9	Low Battery
25	8.9%	8	7	6	5	5	4	4	3	3	Very Low
4	1.4%										

Turtle	Get Safely Off Road Now! Less than One Half Mile at 25 mph Max									Turtle
mph	35	40	45	50	55	60	65	70	75	
Miles/kWh	6.3	5.9	5.2	4.6	4.3	3.9	3.6	3.3	3.0	

*** Fuel Bar 1 will remain illuminated with Low Battery Warning; switch to Low Battery range data ***

Range below Fuel Bar 1 can be significantly reduced with any battery cell imbalances

This chart's range data is not associated with the LEAF's dash or center console range data

Data based on 21kWh usable battery capacity factor. MAXIMUM RANGE at 12mph exactly (not average speed)

Add **One mile** of range @ 60mph (or 3.9m/kWh) for every **12 minute** charge at **120 volt** charge w/3.3kW charger

Add **One mile** of range @ 60mph (or 3.9m/kWh) for every **5 minutes** of charge at **240 volt/16amp** w/3.3kW charger

For Urban Stop-Go driving, select data from column that matches estimated miles/kWh column, NOT speed

1. Elevation increase: Subtract One Fuel Bar for every 1000 ft/300m
2. Elevation decrease: Add One Fuel Bar for every 2000 ft/600m
3. Wind: Select Speed based on Headwind; 60mph with 10mph headwind equals 70mph data
4. Temperature Increase: Add 1% to range for each 4F/2C above 70F/20C
5. Temperature Decrease: Subtract 1% from range for each 2F/1C below 70F/20C
6. Battery Degradation: Subtract 2% from range for every 10,000 miles / 15,000 km on car
7. Climate Control: Subtract One (Two) Fuel Bar(s) per each hour at 1.5kW (3.0kW) of heat/cool
8. Density Altitude: Increase range 1.5% per 1000 ft/300m for air density above sea level
9. Loading: Heavy cars use more energy than light ones; plan accordingly

DISCLAIMER:

YOUR RANGE MAY VARY
USE AT YOUR OWN RISK

English
Ver 7d

Metric

The logo for "Love My Leaf" features a stylized heart shape on the left, composed of a blue upper half and a green lower half, with a white electrical plug icon inside. To the right of the heart, the words "LOVE MY LEAF" are written in a sans-serif font, with "LOVE" in green, "MY" in green, and "LEAF" in blue.

1. Elevation increase: Subtract One Fuel Bar for every 1000 ft/300m
2. Elevation decrease: Add One Fuel Bar for every 2000 ft/600m
3. Wind: Select Speed based on Headwind; 100km with 20km headwind equals 120km data
4. Temperature Increase: Add 1% to range for each 4F/2C above 70F/20C
5. Temperature Decrease: Subtract 1% from range for each 2F/1C below 70F/20C
6. Battery Degradation: Subtract 2% from range for every 10,000 miles / 15,000 km on car
7. Climate Control: Subtract One (Two) Fuel Bar(s) per each hour at 1.5kW (3.0kW) of heat/cool
8. Density Altitude: Increase range 1.5% per 1000 ft/300m for air density above sea level
9. Loading: Heavy cars use more energy than light ones; plan accordingly

Metric

Ver 7d