

# 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 -	Miles/kWh
		6.3	5.9	5.2	4.6	4.3	3.9	3.6	3.3	3.0	kWh
		5.56	6.78	8.65	10.87	12.79	15.38	18.06	21.21	25.00	kWh/mile
Battery Gids	Fuel Bar	0.159	0.169	0.192	0.217	0.233	0.256	0.278	0.303	0.333	
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, or CarWings 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: Subtract one Fuel Bar (1.5kWh) for every 1000 ft / 300m increase  
Add one half, or up to three quarters, Fuel Bar (0.75kWh- 1kWh) for every 1000 ft decrease
2. Wind: Select Speed based on Headwind; 60mph with 10mph headwind equals 70mph data
3. Temperature: Add 1% to range for each 8F/4C above 70F/20C  
Subtract 1% from range for each 4F/2C below 70F/20C
4. Battery Degradation: Subtract 2% from range for every 10,000 miles / 15,000 km on car
5. Climate Control: Subtract One Fuel Bar per each hour at 1.5kW of heat/cool
6. Density Altitude: Increase range 1.5% per 1000 ft/300m for air density above sea level
7. Heavy 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 7e

# Nissan LEAF Range Chart for 24kWh Battery

Metric

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



		56	64	72	81	89	97	105	113	121	
		exactly	exactly	exactly	exactly	exactly	exactly	exactly	exactly	exactly	Speed
		- or -	- or -	- or -	- or -	- or -	- or -	- or -	- or -	- or -	KMH
		10.1	9.5	8.4	7.4	6.9	6.3	5.8	5.3	4.8	km/kWh
		0.099	0.108	0.118	0.134	0.147	0.159	0.174	0.192	0.210	kWh/km
Battery Gids	FUEL BAR	5.56 kW	6.78 kW	8.65 kW	10.87 kW	12.79 kW	15.38 kW	18.06 kW	21.21 kW	25.00 kW	FUEL BAR
281	100.0%	213	195	179	156	143	132	121	109	100	12
257	91.5%	201	184	169	148	137	126	114	105	95	11
236	84.0%	187	169	156	137	126	116	105	97	87	10
219	77.9%	172	156	143	126	116	106	97	89	81	9
199	70.8%	158	142	130	114	105	97	87	81	72	8
186	66.2%	143	129	118	103	95	87	79	72	66	7
163	58.0%	129	114	105	92	84	77	69	64	58	6
143	50.9%	114	101	92	81	74	68	61	56	52	5
122	43.4%	100	87	79	69	63	58	52	48	43	4
102	36.3%	85	74	66	58	53	48	43	40	37	3
88	31.3%	71	60	53	47	42	39	34	32	29	2
73	26.0%	52	43	37	31	27	24	21	19	18	*1*
49	17.4%	39	32	27	23	21	19	18	16	14	Low Battery
25	8.9%	13	11	10	8	8	6	6	5	5	Very Low
4	1.4%										
Turtle Get Safely Off Road Now! Less than One Kilometer at 40 kmh Max Turtle											
kmh		56	64	72	81	89	97	105	113	121	kmh
km/kWh		10.1	9.5	8.4	7.4	6.9	6.3	5.8	5.3	4.8	km/kWh
* 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											
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Add one half, or up to three quarters, Fuel Bar (0.75kWh- 1kWh) for every 300m decrease
2. Wind: Select Speed based on Headwind; 100km with 20km headwind equals 120km data
3. Temperature: Add 1% to range for each 4C above 20C  
Subtract 1% from range for each 2C below 20C
4. Battery Degradation: Subtract 2% from range for every 15,000 km on car
5. Climate Control: Subtract One Fuel Bar (1.5kWh) per each hour at 1.5kW of heat/cool
6. Density Altitude: Increase range 1.5% per 300m for air density above sea level
7. Heavy cars and cars driving through standing water, snow or slush use more energy