

## 2012 Nissan LEAF™ Specifications

*Specifications are based on latest product information available at the time of release*

### ***Mechanical***

<b>Mechanical</b>	
High-response 80 kW AC synchronous electric motor	S
Laminated 24 kWh lithium-ion (Li-ion) battery, 192 cells	
107 horsepower and 207 lb-ft of torque	
3.3 kW onboard charger	
Charging time (est.)	220V ~ 7 hrs 110V 21 hrs DC Fast Charge 30 min to 80%
Range: 100 miles/charge based upon US EPA LA4 City cycle. (Battery capacity decreases with time and use. Actual range will vary depending upon driving/charging habits, speed, conditions, weather, temperature, and battery age.)	
Portable trickle charge cable (120V EVSE)	
All-new dedicated EV platform	
Battery housed in the floor for optimum vehicle packaging and weight distribution	
Lithium-ion battery pack warranty – 8 years or 100,000 miles.	
Battery heater	

<b>Transmission and Drive System</b>	
Drive configuration	Front-wheel drive
Transmission type	Single speed reducer
Shifter style	Shift-by-wire drive selector
Final gear ratio (:1)	7.9377

<b>Brakes</b>	
Cooperative Regenerative brakes	Electrically-driven Intelligent Brake
4-wheel power-assisted disc brakes	S
Front	11.14" x 1.1" vented disc
Rear	11.5" x 0.63" vented disc
4-wheel Anti-lock Braking System (ABS)	S
Brake Assist (BA)	S
Electronic Brake force Distribution (EBD)	S
Parking brake	Electronic/center console, electronic toggle switch activation

<b>Steering</b>		
Type		Vehicle-speed-sensitive electric power-steering
Turning diameter (curb-to-curb, ft.)		17.1
Steering Wheel		3-spoke
	Urethane	S
	Manual tilt	S
	Heated	S
	Cruise control switches	S
	Audio, Bluetooth switches	S

<b>Suspension</b>		
Front	Type	Independent MacPherson strut w/ coil springs and stabilizer bar
Rear	Type	Torsion beam with integrated stabilizer bar

<b>Body/Chassis</b>		
Type		Unibody
Primary materials		Corrosion-resistant ultra-high strength steel

### **Exterior**

<b>Wheels &amp; Tires</b>		
Wheels	Material	Aluminum-alloy
	Size (in.)	16-inch
Tires	Type	All-season
	Size	P205/55R16
	Brand, model	Bridgestone Ecopia
	Tire repair kit	Mounted in trunk

<b>Exterior Features</b>	<b>SV</b>	<b>SL</b>
Aerodynamic LED headlights		S
LED taillights		
Center high-mounted stop light		
Energy-absorbing body-color front and rear bumpers		
Rear spoiler		
Dual power remote-controlled outside mirrors		
Heated outside mirrors		
Chrome outside door handles		
Aerodynamic underbody cover and rear diffuser		
Fixed roof antenna		
Photovoltaic Solar Panel Spoiler	-	S
Automatic on/off headlights	-	S
Fog lights	-	S
Quick charge port	-	S

## **Interior**

<b>Interior</b>	
Capacity	5 passenger
6-way manual driver's seat	S
4-way manual front passenger seat	
Cloth seat fabric made with partially recycled materials	
Front and rear heated seats	
60/40 folding rear seats	
Rear HVAC duct	
Passenger seat map pockets	
Palm-shift drive selector	
Remote charge door release	
Digital meter cluster	
Trip computer (instant and average energy consumption, driving time, outside temperature and autonomy range)	
Front and rear assist grips	
Front door map pockets	

<b>Audio/Navigation</b>	
AM/FM/CD with MP3/WMA CD-ROM playback capability	S
Auxiliary input jack and USB connection port for iPod® and other devices	
XM® Satellite Radio (XM® subscription required, sold separately)	
Six speakers	
Nissan Navigation System	
Nissan Connection powered by CARWINGS (telematics) – allows remote connection to vehicle, including monitoring battery state of charge/charging status, start charging event and turn on HVAC system (no charge for 36 months)	

<b>Instrumentation</b>	
Digital gauges	Speedometer Battery temperature Power meter Remaining energy gauge Capacity level gauge Distance to empty display Eco indicator Outside temperature gauge

<b>Convenience Features</b>	<b>SV</b>	<b>SL</b>
Cruise control		S
Nissan Intelligent Key® with Push Button Start		
Power windows with driver's side one-touch auto up/down		
Power door locks w/auto locking system		
Cupholders – 2 in center console		
Bottle holders – 2 in door panels		
Illuminated glove compartment		
Bluetooth® Hands-free Phone System		
Auto-dimming inside rearview mirror		
Variable intermittent windshield wipers		
Rear window defroster with timer		
Room lamp		
12-volt power outlet (1 on IP)		
Automatic Temperature Control		
Heater, AC Timer		
Charging Timer		
Center console storage		
RearView Monitor	-	S
HomeLink® Universal Transceiver	-	S
Cargo area cover	-	S

### ***Safety & Security***

<b>Passenger Restraint Systems</b>		
Nissan Advanced Air Bag System (AABS) with dual-stage supplemental front air bags with seat belt sensors and occupant classification sensor		S
Front seat-mounted side impact supplemental air bags		S
Roof-mounted curtain side impact supplemental air bags for front and rear-seat outboard occupant head protection		S
Seatbelts	3-point ALR/ELR Pretensioners Load-limiters	All (including inboard)(driver ELR only) Front Front

<b>Child Safety</b>		
Child seat upper tether anchor		S
LATCH System		S
Child safety rear door locks		S

<b>Safety Structure</b>		
Energy-absorbing steering column		S
Zone Body construction with front & rear crumple zones		S
Side door guard beams		S

<b>Active Safety</b>	
Anti-lock Braking System (ABS)	S
Vehicle Dynamic Control (VDC)	S
Traction Control System (TCS)	S
Tire Pressure Monitoring System (TPMS)	S

<b>Security</b>	
Nissan Vehicle Immobilizer System	S
Vehicle Security System (VSS)	S

### ***Dimensions***

<b>Exterior</b>	
Wheelbase	106.3 in.
Overall Length	175.0 in.
Overall Width	69.7 in.
Overall Height	61.0 in.
Track width front/rear	60.6/60.4 in.
Ground clearance	6.3 in.
Angle of approach	16.9°
Angle of departure	26.0°
Coefficient of drag (Cd)	0.29

<b>Interior</b>	
Seating Capacity	5 passengers.
Front	Headroom 41.2 in. Legroom 42.1 in. Hip room 51.5 Shoulder room 54.4
Rear	Headroom 37.3 in. Legroom 31.1 in. Hip room 50.0 in. Shoulder room 52.5 in.
Passenger compartment volume	98.3 ft <sup>3</sup>
Cargo volume	2 <sup>nd</sup> row upright 14.5 ft <sup>3</sup> 2 <sup>nd</sup> row folder 24.0 ft <sup>3</sup>
Total volume	112.8 ft <sup>3</sup>

### ***Weights & Capacities***

<b>Weights</b>	<b>SV</b>	<b>SL</b>
Total	3,385 lbs.	3,401 lbs
Gross Vehicle Weight Rating (GVWR)	4,322 lbs.	

<b>EPA Estimated Fuel Economy</b>	
City (MPGe)	106
Highway (MPGe)	92
Combined (MPGe)	99
Classification	Midsize

**S - Standard**