

For Immediate Release

2011 Nissan LEAF™ Specifications

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

Mechanical

Mechanical	
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 8 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.	

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

Brakes	
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

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

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

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

Exterior

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

Exterior Features	SV	SL
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		
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

Interior

Interior	
Capacity	5 passenger
6-way manual driver's seat	S
4-way manual front passenger seat	
Cloth seat fabric made with partially recycled materials	
60/40 folding rear seats	
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	

Audio/Navigation	
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	
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)	

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

Convenience Features	SV	SL
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

Passenger Restraint Systems		
Nissan Advanced Air Bag System (AABS) with dual-stage supplemental front air bags with seat belt and occupant classification sensors		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

Child Safety		
Child seat upper tether anchor		S
LATCH System		S
Child safety rear door locks		S

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

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

Security	
Nissan Vehicle Immobilizer System	S
Vehicle Security System (VSS)	S

Dimensions

Exterior	
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

Weights & Capacities

Weights		SV	SL
Total		3,366 lbs.	3,375 lbs
Gross Vehicle Weight Rating (GVWR)		4,322 lbs.	

Packages

Packages		SV	SL
Quick Charge Port: Allows for charging to 80% capacity in 30 minutes at public charging stations (cannot be installed after sale)		-	O

S - Standard

O - Optional