



Detailed Specifications

2008 Lexus GS 450h



Base MSRP: \$54,900 ^[1] Delivery, Processing & Handling Fee: \$765 ^[2]

Engine & Performance

Engine Type	3.5-liter V6
Electric-Drive Motor	High-output, permanent-magnet, electric-drive motor
Horsepower	340 (Total System) ^[3]
Displacement (L / cu in)	3.5 / 211
Valves	24
Cam Type	Four cam
Electronic Timing	Dual Variable Valve Timing with intelligence (VVT-i)
Compression Ratio	11.8:1
Emissions	Super Ultra-Low Emission Vehicle (SULEV)
Performance	
0 - 60 mph (sec)	5.2 ^[4]
Top Track Speed (mph)	131 (electronically limited) ^[4]
Aerodynamic Drag Coefficient	0.27

Fuel Economy

City (mpg) - estimated	22 ^[5]
Highway (mpg) - estimated	25 ^[5]
Fuel-Tank Capacity (gal / L)	17.2 / 65

Transmission & Drivetrain

Drive Type	Rear-wheel drive
Electronic Traction Control	Traction Control (TRAC)
Electronic Stability Control	Vehicle Dynamics Integrated Management with cutoff switch (VDIM) ^[6] (includes Traction Control (TRAC) and Vehicle Stability Control (VSC) ^[7])
Final Drive Ratio	3.769:1
Electronic Transmission	Electronically controlled Continuously Variable Transmission (ECVT)

Body & Chassis

Body Type	Five-passenger hybrid luxury sports hybrid sedan	
Doors	Four	
Construction	Welded-steel unibody	
Suspension		
Suspension, Front	Independent, <u>double-wishbone</u> with coil springs, gas-pressurized shock absorbers and <u>stabilizer bar</u>	
Suspension, Rear	Independent, multi-link with coil springs, gas-pressurized shock absorbers and <u>stabilizer bar</u>	
Electronic Suspension	<u>Adaptive Variable Suspension (AVS)</u> with electronically modulated damping	
<u>Active Power Stabilizer Suspension System</u>	<u>Active Power Stabilizer Suspension System</u>	Optional
Steering		
Steering	Electronic vehicle-speed-sensing, progressive-power <u>rack-and-pinion</u>	
<u>Variable Gear-Ratio Steering (VGRS)</u>	<u>Variable Gear-Ratio Steering (VGRS)</u>	
Turning Circle (ft)	36.7	
Steering Turns (Lock to Lock)	2.7-3.2	
Brakes		
Brakes	Four-wheel, ventilated, power-assisted disc brakes	
<u>Anti-Lock Braking (ABS)</u>	Four-sensor, four-channel (integrated with <u>VDIM</u>) [6]	
<u>Braking Assist</u>	<u>Brake Assist</u> [8]	
<u>Electronic Brakeforce Distribution (EBD)</u>	Electronic Controlled Braking (ECB), <u>Electronic Brakeforce Distribution (EBD)</u>	
<u>Regenerative Braking</u>	Energy captured during braking that is used to recharge the battery	
Discs, Front (in)	13.1 ventilated [9]	
Discs, Rear (in)	12.2 ventilated	

Wheels & Tires

Wheel Type	18-in five-spoke aluminum alloy with chrome accent	
Wheel Size (in)	18 x 8.0 [10]	
Tire	245/40ZR18 summer tires [10]	
	245/40VR18 all-season run-flat tires [10] [11]	Optional

Safety & Security

Airbag		
Driver	Dual-stage front (SRS) [12] Side seat-mounted (SRS) [12] Side curtain (SRS) [12] Knee (SRS) [12]	
Front Passenger	Dual-stage front (SRS) [12] Side seat-mounted (SRS) [12] Side curtain (SRS) [12] Knee (SRS) [12]	
Rear Passenger	Side seat-mounted (SRS) [12] Side curtain (SRS) [12]	
Electronic Traction Control	<u>Traction Control (TRAC)</u>	
Electronic Stability Control	<u>Vehicle Dynamics Integrated Management with cutoff switch (VDIM)</u> [6] (includes <u>Traction Control (TRAC)</u> and <u>Vehicle Stability Control (VSC)</u> [7])	
<u>Anti-Lock Braking (ABS)</u>	Four-sensor, four-channel (integrated with <u>VDIM</u>) [6]	
<u>Braking Assist</u>	<u>Brake Assist</u> [8]	
<u>Electronic Brakeforce Distribution (EBD)</u>	Electronic Controlled Braking (ECB), <u>Electronic Brakeforce Distribution (EBD)</u>	

<u>Pre-Collision System (PCS)</u>	Radar [13]	Optional
Electronic Tire Pressure	<u>Direct Tire Pressure Monitor System</u> [14]	
Frame	Rigid body structure	
Impact Resistance	Side-impact door beams	
<u>Crumple Zones</u>	Front and rear	
Seatbelts	<u>Three-point seatbelts for all seating positions with front shoulder-belt anchor-height adjusters</u>	
	<u>Front and outboard rear seatbelts with pre-tensioners and force limiters</u>	
Locking Seatbelt Control	Automatic Locking Retractor/Emergency Locking Retractor (ALR/ELR) seatbelts for all passenger seating positions. Driver's seat Emergency Locking Retractor (ELR) only for driver's seat	
Child Restraint	Child Restraint Seat (CRS) tether anchor brackets for rear outboard seating positions	
Child Safety Locks	Manual for the rear passenger doors. Window lock button on driver door control	
Backup Camera	Full-color display [15]	
Electronic Park Assist	Intuitive Parking Assist	
Anti-Theft Protection	Theft-deterrent and <u>engine-immobilizer system</u>	
Headlamps	Automatic on/off projector-beam <u>High-Intensity Discharge (HID) headlamps with dynamic auto leveling and 30-second delay</u>	
	<u>Adaptive Front Lighting System (AFS)</u>	
Headlamp Washers	Headlamp washers	
Running Lights	Daytime running lights	
Foglamps	Integrated foglamps	
Taillamps	<u>LED taillamps</u>	
Defogger	Auto-off timer for rear window	
Windshield Wipers	Rain-sensing intermittent windshield wipers	
Mirrors	Power-adjustable, <u>electrochromic</u> (auto-dimming) outside mirrors with turn indicators, defoggers and auto tilt-down in reverse	
Glass	Water-repellent front-door glass	
Exterior Specs		
Length (in / mm)	190.0 / 4,826	
Width (in / mm)	71.7 / 1,821	
Height (in / mm)	56.1 / 1,425	
<u>Wheelbase</u> (in / mm)	112.2 / 2,850	
Curb Weight (lb / kg)	4,134 / 1,875	
Exterior Features		
Headlamps	Automatic on/off projector-beam <u>High-Intensity Discharge (HID) headlamps with dynamic auto leveling and 30-second delay</u>	
	<u>Adaptive Front Lighting System (AFS)</u>	
Headlamp Washers	Headlamp washers	
Running Lights	Daytime running lights	
Foglamps	Integrated foglamps	
Taillamps	<u>LED taillamps</u>	
Windshield Wipers	Rain-sensing intermittent windshield wipers with mist cycle	
Mirrors	Power-adjustable, <u>electrochromic</u> (auto-dimming) outside mirrors with turn indicators, defoggers and auto tilt-down in reverse	
Glass	Water-repellent front-door glass	
Interior Specs		
Seating Capacity	Five	
Headroom, Front (in / mm)	37.8 / 960	
Headroom, Rear (in / mm)	37.0 / 940	
Legroom, Front (in / mm)	43.5 / 1,105	

Legroom, Rear (in / mm)	36.4 / 925	
Shoulder Room, Front (in / mm)	56.3 / 1,430	
Shoulder Room, Rear (in / mm)	55.1 / 1,400	
Hip Room, Front (in/ mm)	54.4 / 1,382	
Hip Room, Rear (in/ mm)	51.4 / 1,306	
Trunk Capacity (cu ft/ L)	7.5 / 212	

Interior Features

Dash Trim	Golden or dark gray bird's-eye maple or red walnut	
Center Console Trim	Golden or dark gray bird's-eye maple or red walnut	
Center Console	Center console with sliding armrest and storage bins	
Door Trim	Golden or dark gray bird's-eye maple or red walnut and leather	
Seat Trim	Perforated semi-aniline leather	
Steering-Wheel Trim	Wood and leather	
Shift Knob Trim	Wood and leather	
Power Seats	10-way controls (including lumbar) for driver and front passenger	
Heated Seats and Ventilated Seats, Front	Heated and ventilated seats with multi-stage fan	
Headrests	Height-adjustable headrests for all seating positions including rear center	
Memory Systems	Lexus Memory System to control power driver's and front passenger's seats (except lumbar), outside mirrors and steering wheel Lexus Personalized Settings (LPS) [16] to customize select electronic functions	
Electronic Releases	Trunk-lid and fuel-filler door releases	
Floor Mats	Carpeted floor mats	
Sunshade	Power rear sunshade	
Cupholders	Front and rear	
Storage Pockets	Foldable front-door storage pockets	

Comfort & Convenience

Cruise Control	Cruise control	
Adaptive Cruise Control	Control Dynamic Radar Cruise Control [17]	Optional
Climate Control	Dual-zone automatic climate control and automatic recirculation mode	
Air Filtration	Interior air filter with smog sensor	
Navigation System	Voice-activated DVD Navigation System [18]	Optional
Bluetooth® Technology	Bluetooth® technology [19]	
Backup Camera	Full-color display	
Remote Keyless Entry	SmartAccess [20]	
Remote Keyless Ignition	SmartAccess [20]	
Push-Button Ignition	Push-button ignition	
Remote Windows	Remote-linked windows	
Moonroof	Power tilt-and-slide remote-linked moonroof with one-touch open/close and sliding sunshade	
HomeLink® Transceiver	Operates compatible garage, gate, home lighting and home security systems	
Lexus Link® [21] [22]	Dedicated cellular phone, Global Positioning Satellite (GPS) technology and 24-hour live support provide assistance at the touch of a button. Services include Remote Door Lock/Unlock, Emergency Services Notification, Stolen Vehicle Location Assistance, Driving Directions and Personal Calling.	Optional
Anti-Theft Protection	Theft-deterrent and engine-immobilizer system	
Power Windows	Power windows with one-touch auto open/close	
Power Door Locks	Power door locks	
Power Mirrors	Auto-dimming inside rearview mirror and outside mirrors	
Power Seats	10-way controls (including lumbar) for driver and front passenger	

Heated and Ventilated Seats, Front	Heated and ventilated seats with multi-stage fan	
Power Trunk Closer	Power trunk closer	
Electronic Park Assist	Intuitive Parking Assist	
Adjustable Steering Wheel	Power tilt-and-telescopic steering column with automatic tilt-away	
Steering-Wheel-Mounted Controls	Audio and display controls	
Sunshade	Power rear sunshade	
Retained Accessory Power	Retained accessory power for windows and moonroof	
Instrumentation	Electronic Chromatic Device (ECD) instrumentation	
Illuminated Entry	Illuminated entry system	
Temperature Gauge	Outside temperature gauge	
Compass	Included on rearview mirror [23]	

Audio & Entertainment

Audio System	Lexus Premium Sound System with <u>Automatic Sound Levelizer (ASL)</u> and in-dash, six-disc CD auto-changer	
Speakers	10	
Auxiliary Port	Auxiliary iPod® [24]/MP3/Windows Media® Audio (WMA) port	
Audio System	<u>Mark Levinson® Premium Surround Sound Audio System</u> [25] with 7.1 architecture and in-dash, single-feed, six-disc DVD/CD auto-changer	Optional
Speakers	14	
Watts	330 at less than 0.1% THD; 20-20,000 Hz [26]	
Antenna	In-glass antenna with FM-diversity system	
Satellite Radio	<u>XM® Satellite Radio</u> capability [27] or <u>SIRIUS® Satellite Radio</u> [28] capability	Optional

Limited Warranty (see your Lexus dealer for details)

Basic (months)	48	
Basic (miles)	50,000	
Powertrain (months)	72	
Powertrain (miles)	70,000	
Rust (months)	72	
Rust (miles)	Unlimited	
Roadside Assistance (months)	48 [29]	

Vehicle(s) shown may feature optional equipment.

MSRP does not include delivery, processing and handling fee of \$765. Excludes taxes, title, license and optional equipment. Dealer price may vary.

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Specifications, features, equipment, technical data, performance figures, options, and color and trim are based upon information available at time of posting, are subject to change without notice, are for mainland U.S.A. vehicles and may differ in the state of Hawaii, Puerto Rico, the U.S. Virgin Islands and in other regions.

Some vehicles shown with optional equipment. Optional equipment listed may not be available separately or in all regions. Please see your Lexus dealer for details. Lexus reminds you to wear seatbelts, secure children in rear seat, obey all traffic laws and drive responsibly.

For more information, call 800-USA-LEXUS (872-5398). To learn more about your financing options, contact your Lexus dealer or call Lexus Financial Services at 800-874-7050.

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[2] "Delivery, processing and handling fee" is based on the value of the processing, handling and delivery services Lexus provides, as well as Lexus' overall pricing structure. Lexus may make a profit on the delivery, processing and handling fee.

[3] Ratings achieved using the required premium unleaded gasoline with an octane rating of 91 or higher. If premium fuel is not used, performance will decrease.

[4] Performance figures are for comparison only and were obtained with prototype vehicles by professional drivers using special safety equipment and procedures. Do not attempt.

- [5] EPA-estimated ratings. Actual mileage will vary. For more information on MPG and EPA ratings please visit the [FAQ page](#).
- [6] Vehicle Stability Control (VSC) and Vehicle Dynamics Integrated Management (VDIM) are electronic systems designed to help the driver maintain control under adverse conditions. They are not substitutes for safe driving practices. Factors including speed, road conditions and driver steering input can all affect whether VSC and VDIM will be effective in preventing a loss of control. Please see your *Owner's Manual* for further details.
- [7] Vehicle Stability Control (VSC) is an electronic system designed to help the driver maintain vehicle control under adverse conditions. It is not a substitute for safe driving practices. Factors including speed, road conditions and driver steering input can all affect whether VSC will be effective in preventing a loss of control. Please see your *Owner's Manual* for further details.
- [8] Brake Assist is designed to help the driver take full advantage of the benefits of ABS. It is not a substitute for safe driving practices. Braking effectiveness also depends on proper brake-system maintenance and tire and road conditions.
- [9] High-friction brakes are standard equipment for the front brakes only and require periodic inspection and measurement as outlined in the *Warranty and Services Guide*. The pads and rotors are expected to experience greater wear than conventional brakes. Pad life may be less than 20,000 miles, and brake rotor life may be less than 50,000 miles depending on driving conditions.
- [10] 18-in tires are expected to experience greater tire wear than conventional tires. Tire life may be substantially less than 15,000 miles, depending on driving conditions. Please see your Lexus dealer for details and other information relating to tire selection.
- [11] Run-flat tire technology is designed for limited emergency use only. If air pressure is lost, vehicle speed must remain below 55 mph; cornering, braking and accelerating must be done with extreme caution; and the tire should be replaced within 100 miles. See your Lexus dealer for details.
- [12] All the airbag ("AB") systems are Supplemental Restraint Systems. All ABs (if installed) are designed to inflate only under certain conditions and in certain types of severe collisions: frontal and knee ABs typically inflate in frontal collisions; side and side curtain ABs in side collisions; Roll-Sensing Curtain ABs at a severe tilt degree, roll or lateral G-force. In all other accidents, the ABs will not inflate. To decrease the risk of injury from an inflating AB, always wear seatbelts, sit upright in the middle of the seat as far back as possible and do not lean against the door. Do not put objects in front of an AB or around the seatback. Do not use a rearward-facing child seat in any front passenger seat. The force of an inflating AB may cause serious injury or death. Please see your *Owner's Manual* for further information/warnings.
- [13] The Pre-Collision System is designed to help reduce the crash speed and damage in certain frontal collisions only. It is not a collision-avoidance system and is not a substitute for safe and attentive driving. System effectiveness depends on many factors, such as speed, driver input and road conditions. Please see your *Owner's Manual* for further information.
- [14] The Lexus Tire Pressure Monitor System alerts the driver when tire pressure is critically low. For optimal tire wear and performance, tire pressure should be checked regularly with a gauge; do not rely solely on the monitor system. Please see your *Owner's Manual* for details.
- [15] The backup camera does not provide a comprehensive view of the rear area of the vehicle. You should also look around outside your vehicle and use your mirrors to confirm rearward clearance. Cold weather will limit effectiveness and view may become cloudy.
- [16] The Lexus Personalized Settings (LPS) Program is a one-time, complimentary offer for the first 12 months from the date the vehicle is sold. Please see your Lexus dealer for more information.
- [17] Dynamic Radar Cruise Control is designed to assist the driver and is not a substitute for safe and attentive driving practices. Please see your *Owner's Manual* for important cautions and instructions.
- [18] The Navigation System is designed to assist in locating an address or point of interest. Discrepancies may be encountered between the system and your actual location. Road system changes may affect the accuracy of the information provided. Rely on your common sense to decide whether to follow a specified route. Detailed coverage not available in every city or roadway. Periodic updates available at an additional cost. Please see your *Navigation System Owner's Manual* for further details.
- [19] The Bluetooth® technology phones listed on lexus.com have been tested for compatibility with Lexus vehicles. Performance will vary based on phone software version, coverage and your wireless carrier. Phones are warranted by their manufacturer, not Lexus.
- [20] The SmartAccess system may interfere with some pacemakers or cardiac defibrillators. If you have one of these medical devices, please talk to your doctor to see if you should deactivate this system.
- [21] Lexus Link® is a factory-installed option and is available for LS 600h L and LX 570 (2008 model year and later), LS 460, GS 430/350, GS 450h (2007 model year and later) and LX 470 and GX 470 (2006 model year and later).
- [22] An active Lexus Link® subscription (including a signed Lexus Link Service Subscription Agreement) is required in order to receive Lexus Link services. Lexus Link services require vehicle electrical system and wireless service to be available and operating for features to function properly. Lexus Link uses existing emergency service providers as well as wireless and satellite technologies. A one-year subscription to the Safety Plan is included with the purchase of a new vehicle. Other plans are available at an additional cost.
- [23] On vehicles equipped with the available Lexus DVD Navigation System, the compass is displayed on the navigation screen.
- [24] iPod is a registered trademark of Apple Inc.
- [25] Mark Levinson is a registered trademark of Harman International Industries, Inc.
- [26] Continuous average power, all channels driven, at less than 0.1% THD; 20–20,000 Hz.
- [27] Functioning XM® Satellite Radio requires a compatible receiver and monthly service fee. Please see your Lexus dealer for further details. Reception of the satellite signal may vary depending on location. All fees and programming subject to change. Subscriptions subject to the terms and conditions available at www.xmradio.com. Available only in the 48 contiguous United States.
- [28] Functioning SIRIUS® Satellite Radio requires a compatible receiver and monthly service fee. Please see your Lexus dealer for further details. Reception of the satellite signal may vary depending on location. All fees and programming subject to change. Subscriptions subject to the terms and conditions available at www.sirius.com. Available only in the 48 contiguous United States.
- [29] Coverage only available in the continental U.S. and Canada. Please see your Lexus dealer for details.