

7 Series

ActiveHybrid 7 L



The Ultimate
Driving Experience.®



ActiveHybrid 7 L

MY2011 PRODUCT GUIDE.

All specifications subject to change without prior notice.

2011 - ActiveHybrid 7 L

Technical Specifications

	ActiveHybrid 7 L
Dimensions (mm)	
Length/Width/Height	5214 / 1902 / 1484
Wheelbase	3210
Turning circle (m)	13.0
Track, front/rear	1611 / 1650
Interior width, front/rear	1503 / 1462
Headroom, front/rear	1036 / 988
Leg room, front/rear	1048 / 1124
Luggage capacity (L)	460
Fuel capacity (L)	80

Weight (kg)	
Curb weight	2195
Weight distribution, front (%)	51.5
Weight distribution, rear (%)	48.5
Max. gross weight	2675
Max. payload	460
Max. axle load, front/rear	1320 / 1450
Max. roof load	100

Engine	
Type	TwinPower Turbo V8 32V
Engine management system	MSD85
Displacement (cm ³)	4395
Bore and stroke (mm)	89.0 x 88.3
Power (SAE hp @ rpm)	440 @ 5500-6000
Torque (lb/ft @ rpm)	480 @ 2000-4500
Compression ratio	10.0
Fuel grade	Premium unleaded

Electric Motor	
Power (hp)	20
Torque (lb/ft)	155.0

Total System Power	
Power (hp)	455
Torque (lb/ft)	516



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	ActiveHybrid 7 L
Drivetrain	
Drive configuration	Front engine
	RWD
Transmission type	8-A
Gear ratios (:1)	
- 1st	4.71
- 2nd	3.14
- 3rd	2.11
- 4th	1.67
- 5th	1.29
- 6th	1.00
- 7th	0.84
- 8th	0.67
- Reverse	3.32
- Final drive ratio	2.81

Body / Suspension	
Steering type	Rack & Pinion
Steering ratio	19.1
Braking system	4 channel ABS
Front brake type / diameter (mm)	Ventilated disc / 374
Rear brake type / diameter (mm)	Ventilated disc / 370
Suspension, front	Aluminum Double Wishbone
Suspension, rear	Aluminum 4-link Integral
Drag coefficient	0.31
Tire size, front	245/45 R 19
Wheel size, front	8.5J x 19
Tire size, rear	275/40 R 19
Wheel size, rear	9.5J x 19

Electrical	
AGM Battery capacity (volts / amp-hrs)	12 / 90
Lithium Ion Battery capacity (volts / amps-hrs)	126 / 6.5
Alternator output	DC-DC Converter

Performance	
Top speed, electronically limited (km/h)	240
Acceleration 0-100 km/h, (sec.)	5.1

Fuel Consumption	
City (L/100km)	12
Highway (L/100km)	8.1
Combined (L/100km)	10.2



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Features & Amenities

		ActiveHybrid 7 L
Technical Features	Technical	
	V8 engine, 32-valves, 4.4L, 440hp	■
	TwinPower Turbo Technology (Twin Turbochargers)	■
	High Precision Injection	■
	8-speed automatic transmission	■
	Dynamic Driving Control with Dynamic Damper Control	■
	Front and rear anti-roll (stabilizer) bars	■
	Fully electronic "drive-by-wire" throttle system	■
	Servotronic, vehicle-speed-sensitive power steering	■
	Self-Levelling Air Suspension, rear	■
	Hybrid	
	Advanced Lithium Ion Hybrid System Battery	■
	Hybrid Boost Function	
	Hybrid Electric motor, located between engine and transmission	■
	Hybrid Start/Stop function	■
	Efficient Dynamics	
	Aluminum doors and side panels	■
	Aluminum engine crankcase	■
	Aluminum roof and engine compartment lid	■
	Brake Energy Regeneration	■
	Double VANOS	■
	Electronically controlled engine cooling	■
Safety & Protection	Lighting	
	Adaptive LED brake lights with Brake Force Display	■
	BMW Active Xenon Technology	
	- Adaptive headlights	■
	- Automatic headlights	■
	- Cornering lights	■
	- Xenon headlights, low and high-beam with corona rings	■
	Halogen front and rear fog lights	■
	Headlight washers	■
	Handle-area illumination	■
	Follow-me-home function, pathway illumination	■
	Active Safety	
	Anti-Lock Braking System (ABS)	■
	Dynamic Stability Control (DSC), with extended functionality	
	- Automatic Stability Control + Traction (ASC+T)	■
	- Brake assist	■
	- Brake fade compensaion	■
	- Brake pre-drying	■
	- Corner Brake Control (CBC)	■
	- Dynamic Braking Control (DBC)	■
	- Dynamic Traction Control (DTC)	■
	- Electronic Brakeforce Distribution (EBD)	■
	Electric safety belt pre-tensioners	■
	Electromechanical Parking Brake with automatic hold function	■
	Head Up Display	■
	Heated exterior mirrors, electrically adjustable	■
	Heated windshield washer jets	■
	Park Distance Control, front and rear	■
	Rain sensing windshield wipers, vehicle-speed sensitive	■
	Rear view camera	■
	Surround View (incl. Side View Cameras)	■
	Tire Pressure Warning (TPW)	■
	Airbags	
	Advanced Head Protection System (AHPS), front and rear	■
	Adaptive Front airbags , including occupant detector	■
	Front knee airbags	■
	Side thorax airbags for driver and front passenger	■
	Vehicle Protection	
	Alarm system	■
	Central remote locking including fuel filler door	■
	Coded driveway protection	■
	Multi-function remote control	■

■ Standard □ Optional

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Features & Amenities

		ActiveHybrid 7 L
Safety & Protection	Passive Safety	
	Active anti-whiplash front headrests	■
	Crash sensor	
	- Fuel pump shut-off	■
	- Battery Safety Terminal	■
	- Hazard Light Activation	■
	- Interior lighting activation	■
	- Door Unlock	■
	Crumple Zones, front sub-frame & bulkhead, floor pan, side frame and roof	■
	Load-bearing structures reinforced with multiphase hot-formed steel	■
	Rear headrests, outer positions adjustable	■
Exterior Features	Safety belt force limiters with pyrotechnical tensioning system, front	■
	Side impact protection door reinforcements	■
	Exterior	
	"ActiveHybrid 7" model designation on C pillar and trunk lid	■
	Auto-dimming exterior mirrors, power folding with memory	■
	Automatic soft close trunk lid	■
	Comfort Access	■
	Front ornamental grille with chrome-plated kidney bars	■
	Roof moulding in chrome	■
	Side window frame trim, chrome-plated	■
	Soft Close Doors	■
Interior Features	Twin chromed trapazoid tailpipes	■
	White turn signal indicator lenses	■
	Comfort & Convenience	
	Auto-dimming interior mirror	■
	BMW ambiance lighting	
	- Front and rear door pockets	■
	- Rear of front seat backrests	■
	- Door entry sills with "ActiveHybrid 7", illuminated	■
	- Rear of centre console	■
	- Soft interior LED lighting integrated into roof liner	■
	- Interior reading lights	■
	Car/Key memory	■
	Central lock switch	■
	Ceramic package, interior control elements	■
	Clothes hook, B-pillar	■
	Cupholders, integrated in front centre console and rear armrest	■
	Driver and Passenger memory system, 3 positions	■
	Dynamic cruise control with braking function	■
	Gentleman's function, driver operation of passenger seat adjustment	■
	Glass roof, electric with electric sunshade	■
	Glove Compartment, upper and lower	■
	Heated steering wheel	■
	Interior electric trunk release	■
	Personal Profile, storage of vehicle settings downloadable via USB	■
	Multi-function leather steering wheel, 3-spoke	■
	Sport Steering Wheel	■
	Soft-close trunk lid	■
	Storage compartment in centre console, front and rear with lid	■
	Sun visors with illuminated vanity mirrors	■
	Tilt/telescopic steering wheel, power with auto tilt-up and memory	■
	Tool kit	■
	Universal garage door opener	■
	Upper instrument panel upholstered in leatherette	■
	Upper instrument panel upholstered in Nappa leather	■
	Window lifts electric, anti-trap and comfort open/close	■

■ Standard □ Optional

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Features & Amenities

		ActiveHybrid 7 L
Interior Features	Seating	
	Active seats, driver and front passenger	■
	Comfort seats, front, 16-way power adjustable with comfort entry/exit	■
	Heated front and rear outer seats, 3 stage	■
	Lumbar support for driver and passenger, 4-way	■
	Ventilated seats, front and rear	■
	5 passenger seating	■
	Upholstery: Extended Nappa Leather	■
	Climate Control	
	Automatic Air Recirculation with activated carbon micro filter	■
	B-pillar air vents	■
	Climate comfort laminated glass	■
	Climate comfort windshield	■
	Electric rear and side sunshades	■
	Four zone automatic air conditioning with draught-free ventilation	■
	Solar and Fogging sensor	■
	Stationary Cooling Function with Remote Operation (4th button)	■
	Entertainment	
	Anti-theft AM/FM tuner with RDS	■
	Auxiliary input, front centre console storage compartment	■
	DVD drive, in-dash with MP3 and multi-channel playback capability	■
	Premium HiFi Sound System	
	- 16 speakers including 2 subwoofers	■
	- 600W multi-channel amplifier	■
	- 7-band graphic equalizer with Dirac Live™	■
	Non DRM protected files (MP3, WAV, WMA and AAC/M4A)	■
	Gracenote® Media Database	■
	High Definition Radio Tuner	■
	SIRIUS satellite radio tuner, including 1 year subscription	■
	USB Audio Integration, including y-cable for iPod	■
	Communication	
	Bluetooth® wireless technology	■
	BMW Assist with 4-year Safety and Security subscription	■
	- Advanced Automatic Collision Notification	■
	- Customer Relations function	■
	- Destination Download (Advanced Concierge)	■
	- Emergency Request	■
	- Enhanced BMW Roadside Assistance	■
	- MyInfo Send-To-Car (Google)	■
	- Remote Door Unlock	■
	- Stolen Vehicle Recovery	■
	Navigation System, Hard Disk Based	■
	Voice Control, including telephone, navigation and audio functions	■
	Instrumentation	
	Check control vehicle monitor system with Condition Based Service	■
	Black Panel Technology	■
	Control Display with Hybrid Displays	■
	iDrive with 10.3" high resolution LCD display	■
	Instrument Cluster with ActiveHybrid display	■
	On-board computer	■
	Electronic owners manual integrated into iDrive system	■
	Eight programmable memory keys	■

■ Standard □ Optional

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Wheels & Tires

Standard

ActiveHybrid
7 L



Streamline - Style 357
8.5J x 19 Front / 9.5J x 19 Rear
245/45 R 19 Front / 275/40 R 19 Rear
Performance Run-Flat Tires*

* Not recommended for winter use. Increased treadwear is normal for performance tires.

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Paint, Upholstery & Trims

Model	Upholstery	Colour	Comfort Seat	Key Number	Metallic Paint								Non-Metallic Paint	Interior Trim			
					Titanium Silver	Black Sapphire	Bluewater	Space Grey	Cashmere Silver	Imperial Blue	Dark Graphite	Mineral White		Fineline Wood Trim, High Gloss	Ash Wood Trim, High Gloss	Ash Wood Trim, Anthracite	Fineline Wood Trim, Natural
					354	475	896	A52	A72	A89	A90	A96	300	4B7	4B5	4CA	4CB
All	Extended Nappa Leather	Oyster / Black	■	NACX	■	■	■	■	■	■	■	■	■	S	O	O	O
		Oyster / Oyster	■	NADH	■	■	■	■	■	■	■	■	■	S	O	O	O
		Saddle Brown / Black	■	NAD5	■	■	-	■	-	■	■	■	■	S	O	O	O
		Black	■	NASW	■	■	■	■	■	■	■	■	■	S	O	O	O

■ = Recommended

S = Standard

O = Optional

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Colour linked parts

	Extended Nappa Leather			
	Oyster / Black NACX	Oyster / Oyster NADH	Saddle Brown / Black NAD5	Black NASW
Seat centre parts ¹	Light Oyster	Light Oyster	Saddle Brown	Black
Seat side panels ¹	Light Oyster	Light Oyster	Saddle Brown	Black
Rear of seat back ²	Light Oyster	Light Oyster	Saddle Brown	Black
Seat Belts	Light Oyster	Light Oyster	Black	Black
Upper Door trim ¹	Black	Dark Oyster	Black	Black
Door panel inserts ¹	Light Oyster	Light Oyster	Saddle Brown	Black
Lower door trim	Black	Light Oyster	Black	Black
Door handles	Pearl-gloss Chrome	Pearl-gloss Chrome	Pearl-gloss Chrome	Pearl-gloss Chrome
Armrest front and rear ¹	Light Oyster	Light Oyster	Saddle Brown	Black
Instrument panel upper trim section ¹	Black	Dark Oyster	Black	Black
Instrument panel lower trim section	Light Oyster	Light Oyster	Saddle Brown	Black
Centre console	Light Oyster	Light Oyster	Saddle Brown	Black
Floor carpet	Anthracite	Light Oyster	Anthracite	Anthracite
Rear parcel shelf ³	Anthracite	Light Oyster	Anthracite	Anthracite
Roof liner	Light Oyster	Light Oyster	Everest Grey	Everest Grey

¹ Items in Nappa Leather

² Items in Dakota Leather

³ Includes wood trim panel in combination with optional wood trims

BMW Canada Inc. 2011 7 Series
ActiveHybrid 7 L

Optional Equipment
Manufacturer's Suggested Retail Pricing

Model Code	Car Model	Retail	Restrictions
KX83	ActiveHybrid 7 L	\$132,300	
Option Code	Packages	Retail	Restrictions
ZQF	Technology Package	\$3,300	
5AD	Lane Departure Warning		
5AG	Active Blind Spot Detection		
6UK	Night Vision with Pedestrian Detection		Kidney grille design modified to support infrared camera
ZJG	Multimedia Package	\$3,500	
696	6-disc DVD Changer		Includes two infrared wireless headphones
6FH	Rear Entertainment System		Located in upper glove box
			Dual 9.2" displays, Rear iDrive Controller, Rear DVD drive and Dual Auxiliary Inputs
ZFH	Rear Comfort Package	\$4,500	
454	Ventilated Seats, Rear		Deletes rear centre seat and seatbelt
460	Comfort Seats, Rear		3-stage
4UM	Massaging Seatbacks, Rear		12-way electrically adjustable including 4-way lumbar support
			Twelve massage units and six rotating elements per rear seat
Option Code	Optional Equipment	Retail	Restrictions
CODE	Metallic Paint	No Charge	
464	Ski Bag	\$395	
4B5	Ash Wood Trim, High Gloss	No Charge	Includes trim on rear parcel shelf
4CA	Ash Wood Trim, Anthracite	No Charge	Includes trim on rear parcel shelf
4CB	Fineline Wood Trim, Natural	No Charge	Includes trim on rear parcel shelf
ZED	European Delivery	No Charge	Includes Velour Floor Mats, Warning Triangle & First Aid Kit
ZSP	Special Orders	\$400	
	Administrative fee for ordering special colours, interiors or equipment.		

PRICES AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE
PRICES AT DATE OF DELIVERY WILL APPLY
LOCAL FREIGHT AND RETAILER PREPARATION ARE NOT INCLUDED
RETAILERS MAY SELL FOR LESS