



2021 Avalon Hybrid Product Information

#Avalon #Hybrid

HYBRID POWER SYSTEM		
Hybrid System Net Horsepower		215 hp
ICE (INTERNAL COMBUSTION ENGINE)		
Type, Materials		2.5-Liter Dynamic Force 4-Cylinder DOHC 16-Valve D-4S Dual Injection with VVT-iE, VVT-I with Eco, Normal, Sport and EV drive modes
Valvetrain		16-valve DOHC with Dual VVT-i
Displacement		2,487 cc
Bore x Stroke		3.44 x 4.07 in.
Compression Ratio		14.0:1
Horsepower		176 hp @ 5,700 rpm
Torque		163 lb-ft @ 3,600-5,200 rpm
Recommended Fuel		87-octane or higher - unleaded
Emission Certification		SULEV30
EPA Estimated Fuel Economy* (city/highway/combined MPG)		43/44/44 (XLE) 43/43/43 (XSE, Limited)
ELECTRIC MOTORS		
Motor Generator 1 (MG1)	- Function	Generator, engine starter, charges hybrid battery
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
Motor Generator 2 (MG2)	- Function	Drives front wheels, regeneration during braking
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
	- Max. output	118 hp (88 kW)
HYBRID BATTERY PACK		
Type		Lithium-ion battery

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Nominal Voltage	259 V (70 cells, 3.7V/cell)
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*2021 estimated MPG - Actual mileage will vary.

DRIVETRAIN		
Layout		Front-wheel drive
Transmission Type		Electronically controlled Continuously Variable Transmission (ECVT) with sequential shift mode
CHASSIS AND BODY		
Suspension	- Front	Independent MacPherson strut front suspension with stabilizer bar; multi-link rear suspension with stabilizer bar
	- Rear	Independent MacPherson strut front suspension with stabilizer bar; multi-link rear suspension w/ sport-tuned shock absorbers, stabilizer bar and springs
	- Stabilizer Bar Diameter (front mm/rear mm)	25.4 / 25.0 (XLE) 27.0 / 27.0 (XSE) 25.4 / 25.4 (Limited)
Steering	- Type	Electric power-assisted rack-and-pinion
	- Turning Circle Diameter (curb-to-curb)	37.7 ft. (XLE) 38.7 ft. (XSE, Limited)
Brakes	- Front Type	Power-assisted Ventilated disc
	- Front Diameter	12.0 in.
	- Rear Type	Solid Disc with hydraulic brake booster, Electronically Controlled Braking (ECB) system, integrated regenerative braking and Star Safety System
	- Rear Diameter	11.1 in.
	- Parking	Automatic Electric Parking Brake
Anti-lock Brake System (ABS)		Standard
Wheel Size		17-in. silver-painted alloy wheels with P215/55/R17 tires (XLE)
		18-in. super chrome alloy wheels with P235/45R18 tires (Limited)

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	18-in. dark gray-painted alloy wheels with P235/45R18 tires (XSE)
Tire Type	All-season steel-belted radial blackwalls
Spare Tire/Wheel	Temporary (T155/70D17)

EXTERIOR DIMENSIONS	
Wheelbase	113.0 in.
Overall Length	195.9 in.
Overall Width	72.8 in.
Overall Height	56.5 in.
Tread Width	- Front/Rear 63.0/63.6 in. (XLE) 62.3/63.6 (XSE, Limited)
Ground Clearance	5.3 in.

INTERIOR DIMENSIONS	
Seating Capacity	5
Headroom	
- First	38.5 in. (w/o moonroof) 37.4 in. (w/ moonroof)
- Second	37.9 in. (w/o moonroof) 37.1 in. (w/ moonroof)
Legroom	
- First	42.1 in.
- Second	40.4 in.
Shoulder Room	
- First	58.3 in.
- Second	57.1 in.
Hip Room	
- First	55.8 in.

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- Second	54.7 in
EPA Cargo Volume	
- Rear Seatbacks Up	16.09 cu. ft.
EPA Interior Volume	TBD
Passenger Volume	102.2 cu. ft. (XLE, XSE, Limited) 103.8 cu. ft. (XLE w/o moonroof)
EPA Class	Midsize
WEIGHTS AND CAPACITIES	
Curb Weight	3,610 lbs. (XLE) 3,685 lbs. (XSE) 3,695 lbs. (Limited)
Fuel Capacity	13.2 gal.

EXTERIOR FEATURES BY GRADE (— = Not Available, P = Package, S = Standard)			
	XLE	XSE	Limited
Front chrome grille surround with dark gray insert and active grille shutter	S	-	S
Front piano black grille with sport mesh insert and active grille shutter	-	S	-
Aerodynamic front tangential venting	S	S	S
Gloss black rear spoiler	-	S	-
Single hidden exhaust	S	S	S
LED reflector headlamps and LED DRL with auto on/off feature	S	-	-
LED reflector headlamps with smoked chrome bezel and on/off feature; LED DRL with auto on/off feature	-	S	-
LED headlamps with smoked chrome bezel and on/off feature; fully-integrated LED DRL with auto on/off feature and laser ablation design with dynamic turn signal, adaptive cornering lights	-	-	S
LED tail lights	S	S	-
LED tail lights with laser ablation and dynamic turn signal	-	-	S

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Color-keyed heated power outside mirrors w/ EC, turn signal and blind spot warning indicators and memory features and driver side auto dimming	-	-	S
Color-keyed heated power outside mirrors with turn signal and blind spot warnings indicators	S	-	-
Color-keyed heated power outside mirrors with gloss black mirror caps, turn signal and blind spot warnings indicators	-	S	-
17-in. silver-painted alloy wheels with P215/55/R17 tires	S	-	-
18-in. super chrome alloy wheels with P235/45R18 tires	-	-	S
18-in. dark gray-painted alloy wheels with P235/45R18 tires	-	S	-
Power tilt/slide moonroof with sliding sunshade	P	S	S
Acoustic noise-reducing windshield and driver and front passenger side windows	S	S	S
High Solar Energy-Absorbing (HSEA) glass	S	S	S

INTERIOR FEATURES BY GRADE (— = NOT AVAILABLE, P = PACKAGE, S = STANDARD)			
	XLE	XSE	Limited
Dual zone automatic climate control with air filter, electric compressor, and rear-seat vents	S	S	S
Genuine wood interior trim	-	-	S
Genuine aluminum interior trim	-	S	-
Hydrographic interior trim	S	-	-
Ambient lighting for cup holders, side of console and door handles	-	-	S
10-in. color Head-Up Display (HUD) with customizable settings, speedometer, navigation, shift position, compass, TSS-P indicators, audio, phone, outside temperature, Hybrid System Indicator, and adjustable brightness	-	-	S
SofTex®-trimmed heated front seats, 8-way adjustable driver's seat with 2-way power lumbar; 8-way adjustable passenger seats	S	-	-

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SofTex®-trimmed seats with perforation + Ultrasuede® heated front seats, 8-way adjustable driver's seat with 2-way power lumbar; 8-way adjustable passenger seats	-	S	-
Premium leather-trimmed heated and ventilated front seats, 8-way adjustable driver's seat with 4-way power lumbar; 8-way adjustable passenger seats with 4-way power lumbar	-	-	S

60/40 split folding rear seats with 2 adjustable and 1 fixed headrest, armrest with cup holders	S	S	S
Heated rear seats	-	-	S
Auto-dimming rear-view mirror, maplights	S		
Auto-dimming rear-view mirror, maplights and HomeLink® Universal Transceiver	-	S	-
Frameless auto-dimming rear-view mirror with HomeLink® Universal Transceiver	-	-	S
7-in. TFT Multi-Information Display with customizable settings, odometer outside temperature, fuel economy and trip information, current/average fuel economy, distance to empty, average speed, hybrid system information, energy monitor, TPMS, scheduled maintenance, compass and warning messages	S	S	S
Heated tilt & telescopic premium leather-trimmed steering wheel with memory function, multi-information display, audio Bluetooth® hands-free and voice-command controls	-	-	S

Tilt & telescopic premium leather-trimmed steering wheel, multi-information display, paddle shifters, audio Bluetooth® hands-free and voice-command controls	-	S	-
Tilt & telescopic leather-trimmed steering wheel with multi-information display, audio Bluetooth® hands-free and voice-command controls	S	-	-
Four USB 2.0 charge ports	S	S	S
Qi-compatible wireless charging system	P	S	S
Aluminum pedal covers	-	S	-
Smart Key System on front doors and trunk with Push Button Start, remote keyless entry system and remote illuminated entry	S	S	S

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Power windows with 4-window auto up/down, jam protection and retained-power features	S	S	S
Rear window defogger with timer	S	S	S
Power door locks with shift-linked automatic locking feature with anti-lockout feature	S	S	S
Overhead console with maplights, and safety connect button	S	S	S
Covered center console, armrest and storage	S	S	S
One 12V auxiliary power outlet	S	S	S
Dual sun visors with sliding extensions and illuminated vanity mirrors	S	S	S
Two front and two rear cup holders; two front door and two rear bottle holders	S	S	S
4-Mode Switch (EV, Eco, Normal, Sport)	S	S	S

Packages and Options by Grade (— = Not Available, O = Option)			
	XLE	XSE	Limited
Premium Audio with Dynamic Navigation and JBL® w/Clari-FITM with 14 speakers	O	O	-
Advanced Safety Package: - Bird's Eye View Camera - Rear Cross-Traffic Braking - Intelligent Clearance Sonar	-	-	O
Moonroof Package - Power tilt/slide moonroof with sliding sunshade - Qi-compatible wireless charging system	O	-	-

Audio Options by Grade (— = Not Available, P = Package, S = Standard)			
	Hybrid XLE	Hybrid XSE	Hybrid Limited
Audio Plus — 9-in touchscreen, 8 speakers [including subwoofer and amplifier], USB media port, 4 USB charge ports, hands-free phone capability and music streaming via Bluetooth® wireless technology, Android Auto™ & Apple CarPlay® & Amazon Alexa compatible, SiriusXM® with 3-month	S	S	-

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All Access trial. See toyota.com/audio-multimedia for details. Connected Services — Safety Connect® with 1-year trial, Service Connect with 10-year trial, Remote Connect with 1-year trial, Wi-Fi Connect with up to 2 GB within 3-month trial. See toyota.com/connected-services for details.			
Premium Audio, Dynamic Navigation with 3-year trial — 9-in touchscreen, 14 [JBL®] speakers [including subwoofer and amplifier], USB media port, 4 USB charge ports, hands-free phone capability and music streaming via Bluetooth® wireless technology, Android Auto™ & Apple CarPlay® & Amazon Alexa compatible, SiriusXM® with 3-month All Access trial. See toyota.com/audio-multimedia for details. Connected Services — Safety Connect® with 1-year trial, Service Connect with 10-year trial, Remote Connect with 1-year trial, Wi-Fi Connect with up to 2 GB within 3-month trial, Destination Assist with 1-year trial. See toyota.com/connected-services for details.	O	O	S

Safety Features by Grade (— = Not Available, P = Package, S = Standard)			
	XLE	XSE	Limited
Star Safety System — includes Enhanced Vehicle Stability Control (VSC), Traction Control (TRAC), 4-wheel Anti-lock Brake System (ABS), Electronic Brake-force Distribution (EBD), Brake Assist (BA) and Smart Stop Technology (SST)	S	S	S
Ten airbags— includes driver and front passenger Advanced Airbag System, driver and front passenger seat-mounted side airbags, driver and front passenger knee airbags, rear seat-mounted side airbags, and front and rear side curtain airbags	S	S	S
Driver and front passenger Whiplash-Injury-Lessening (WIL) seats	S	S	S
3-point seatbelts for all seating positions; driver-side Emergency Locking Retractor (ELR) and Automatic/Emergency Locking Retractor (ALR/ELR) on all passenger seatbelts	S	S	S
LATCH (Lower Anchors and Tethers for Children) includes lower anchors on outboard rear seats	S	S	S
Child-protector rear door locks and power window lockout control	S	S	S

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Tire Pressure Monitor System (TPMS) with direct pressure readout	S	S	S
Collision sensors: deactivate high-voltage battery	S	S	S
Safety Connect — includes Emergency Assistance, Stolen Vehicle Locator, Roadside Assistance and Automatic Collision Notification. Available by subscription. 3-year trial subscription.	S	S	S
Toyota Safety Sense P (TSS-P) - Pre-Collision System with Pedestrian Detection, Lane Departure Alert with Steering Assist, Automatic High Beams and Full-Speed Range Dynamic Radar Cruise Control	S	S	S
Blind Spot Monitor with Rear Cross-Traffic Alert	S	S	S

Intelligent Clearance Sonar with Rear Cross-Traffic-Braking	-	-	P
Bird's Eye View Camera with Perimeter Scan, overhead 360-degree view in Drive and Reverse, and curb view	-	-	P
Side-impact door beams	S	S	S
Hill-Start Assist Control (HAC)	S	S	S
Anti-theft system with alarm and Immobilizer	S	S	S
Integrated backup camera with dynamic gridlines	S	S	S
Electric Parking Brake (EPB) with Brake Hold function	S	S	S
ToyotaCare featuring a no cost maintenance plan with roadside assistance	S	S	S
Energy-absorbing collapsible steering column	S	S	S
Front and rear energy-absorbing crumple zones	S	S	S
Auto Engine Shut Off	S	S	S
Vehicle Approach Noise	S	S	S

AVAILABLE EXTERIOR COLORS

- Windchill Pearl
- Harbor Gray Metallic
- Opulent Amber (not available on XSE)
- Celestial Silver Metallic
- Midnight Black Metallic

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- Ruby Flare Pearl
- Blueprint
- Supersonic Red

BASIC LIMITED WARRANTY COVERAGE

- 3-year/36,000-mile Comprehensive
- 5-year/60,000-mile Powertrain
- 5-year/unlimited-mileage Corrosion Perforation
- 8-year/100,000-mile Hybrid-Related Component Coverage
- 10-year/150,000-mile Hybrid Battery
- ToyotaCare – Complimentary maintenance plan with the purchase or lease of every new Toyota. For 2 years or 25,000 miles, whichever comes first, every new Toyota will be covered for all normal factory scheduled service, as well as 24/7 roadside assistance

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