

PRIUS



"FULL"
HYBRID

Electricity comes from the Gas Engine & Brakes

You never plug in the battery-pack. In fact, there isn't even a cord. The recharging is done for you.

Gas Engine automatically provides electricity by igniting gasoline to operate the generator.

Brakes automatically create electricity by using excess kinetic energy to provide regeneration.

Frequent Gas Engine Restarts are not harmful

Rather than just using a small motor to spin the gas engine to only 100 RPM, like traditional vehicles do, the hybrid system uses a much larger motor which spins the gas engine to a minimum of 800 RPM. Then the system waits until oil-pressure is established before injecting fuel and producing a spark. This process enables a very smooth startup, reducing burden on bearings, pistons, and cylinders.

Battery-Pack

Life-Expectancy is 10-12 years or around 150,000 to 200,000 miles depending on driving conditions. Some owners have even exceeded that distance. (Note: The battery-pack was designed to be recycled.)

Warranty is 8 years / 100,000 miles. This covers the battery-pack, power-inverter, generator-motor, and propulsion-motor, enough to provide worry-free confidence for most owners.

Total weight is only 99 pounds and it's only the size of 6 regular loaves of bread.

Acceleration

The hybrid system is surprisingly swift. You can effortlessly merge into traffic, just like a traditional car.

Cold Weather

Years of Prius owners driving in the northern United States and Canada have proven that even frigid conditions are of no concern. The cold weather of winter is not a problem for the hybrid system.

Hill Climbing

You'll be quite surprised by the ability Prius has to climb hills. The torque provided by the motor and the electricity provided by the gas engine on-the-fly will allow you to zip up to the top without any struggle.

Rear-Window View

Think of the two sections as "bifocals". Since the bottom section is physically lower than a rear-window in most cars, it is only for viewing very close objects. Everything else is visible through the upper section.



Black



Driftwood Pearl



Classic Silver



Barcelona Red



Seaside Pearl



Super White



Magnetic Gray



Silver Pine Mica



Spectra Blue

Specifications **Iconic Model (2004-2009)**

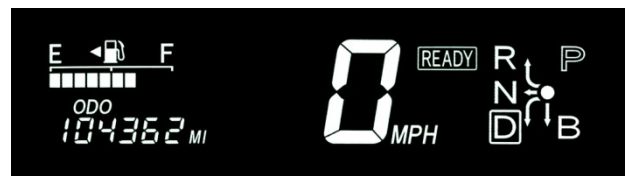
Emissions:	AT-PZEV (Advanced Technology - Partial Zero Emission Vehicle) 90% less NO_x (Nitrogen Oxides) than average 50% less CO₂ (Carbon Dioxide) than average
MPG:	EPA estimates: 48 City, 45 Highway, 46 Combined * YMMV (Your Mileage May Vary)
Multi-Display:	Liquid-Crystal, Touch-Sensitive, 7.0 Inch width Energy Monitor, Consumption Data Air Conditioner (Heater & A/C) Interface Audio & Cell-Phone & Navigation Interfaces
Battery-Pack:	NiMH (Nickel Metal Hydride) type 99 Pounds total 28 Modules total 6 Cells within each Module 168 Cells total (1.2 Volts in each Cell) 6.5 Ah total 201.6 Volts total
Gas Engine:	57 kW power 1.5 liter (1,497 cc), 4 cylinder (inline), 16 valve Atkinson-Miller Cycle with VVT-i 76 hp @ 5000 rpm 82 lb-ft torque @ 4200 rpm
Electric Motor:	50 kW power 67 hp @ 1200 - 1540 rpm 295 lb-ft torque @ 0 - 1200 rpm 500 volt AC operation
Transmission:	Planetary-CVT (PSD: Power-Split Device)
Brakes:	Regenerative, Hydraulic, Engine ABS (Anti-Lock), Disc Front, Drum Rear
Tires:	185/65R15, All-Season, Aluminum Alloy Rims
Misc:	5 passenger capacity 5 door hatchback 96.2 cubic ft passenger volume 16.1 cubic ft cargo volume 2890 pound curb-weight 175 inch (14.6 ft) length 67.9 inch (5.7 ft) width 58.1 inch (4.8 ft) height 5.25 inch ground clearance 10.1 seconds 0-60 MPH 0.26 Cd (coefficient of drag) 42 MPH top electric-only speed
Standard:	By-Wire: Throttle & Braking & Gear-Selection Electric A/C, Electric Steering, Traction-Control Cruise-Control, 4 Cupholders, Double Glovebox Power Windows, Power Door-Locks Power & Heated Mirrors, Rear Defroster Keyless-Entry Remotes, AM/FM/CD + 6 Speakers Tilt-Steering with Audio & Climate Controls 60/40 Split-Folding Rear Seat LED Brake Lights, Intermittent Rear Wiper
Optional:	Side Airbags, Side Curtains SE/SS (Smart-Entry/Smart-Start) Leather Seats & Steering-Wheel HID (High Intensity Discharge) Lights Secondary Lights, Security Alarm VSC (Vehicle Stability Control) Electrochromic Rearview Mirror Integrated Garage Door Opener Bluetooth-enabled Cell-Phone support JBL 9-Speaker 6-CD Premium Audio MP3/WMA playback and Input Jack Voice-Recognition capabilities DVD-based GPS Navigation System

Multi-Display Screen

This 7-inch wide touch-sensitive device located in the center of the dashboard provides quite a bit of useful hybrid system information, in addition to providing controls for AM/FM Radio, Cassette, CD, Air-Conditioner (Heater & A/C), GPS Navigation, and Cell-Phone.



Battery-Pack Charge-Level Indicator



Speedometer, Gear Selection, Odometer, Fuel Gauge

This illuminated display provides the traditional vehicle information; however, it's in a non-traditional place. Located near the base of the windshield, you may find it odd at first. But like most owners, you'll end up very pleased after discovering how much easier it is to look out & over rather than down & close-up. Plus, the view of it won't ever be obstructed by the steering-wheel.

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Self-Recharging. The system automatically recharges the battery-pack for you.



Just Drive It. Ignore all the technology. Let the computer worry about how to save gas and achieve the AT-PZEV emission rating for you. Enjoy the remarkably smooth & quiet ride.



Fold both right seats for 8 feet of storage length.



Roll out the hatch cover to conceal cargo.



Hidden storage is available below the false floor.



Spare-Tire & Battery-Pack revealed.

	<p>Stealth Mode or Battery Drive</p> <p>All thrust is provided by the electric motor, and all power is provided by the battery-pack.</p>
	<p>Regeneration Charge</p> <p>As you approach a stop or just slow down, the excess kinetic energy is used to turn the generator. This creates electricity, which is used to charge the battery-pack.</p>
	<p>Engine & Motor Drive</p> <p>Sometimes the battery-pack isn't needed, the engine can directly provide electricity for the motor.</p>
	<p>Engine Drive + Charge</p> <p>The engine provides thrust for the wheels along with electricity for charging the battery-pack.</p>
	<p>Engine & Motor Drive + Charge</p> <p>The engine provides thrust to the wheels as well as electricity for both feeding the motor and charging the battery-pack, all at the same time.</p>
	<p>Full Power or Gradual Slowing</p> <p>Both rapid acceleration and moderate deceleration take full advantage of the hybrid system to achieve maximum efficiency.</p>
	<p>Startup Charge or Engine Heat</p> <p>When you first startup a Prius, you will typically see this before shifting into drive or reverse. It also occurs when additional heat is needed.</p>
	<p>Energy Monitor</p> <p>This is the actual screen that the cutouts above are displayed on. There are 4 background colors that you can switch among.</p>
	<p>Consumption Screen</p> <p>Interested in MPG data? This shows current, a 30-minute summary, and average MPG (since "Reset" was last pressed) as well as the amount of electricity regenerated.</p>