

ECO CAR

Toyota Prius Petrol / Electric Hybrid

It looks like a normal car, it drives like a normal car but it really is an ecological and technological masterpiece.

The car was imported from England in April 2007 and is the only Prius here in Malaysia.



PRIUS

Moves by either electric motor power or by petrol engine, or both together.

When reversing it uses the electric motor only and is completely silent

At traffic hold ups, the engine will stop and only restarts after moving off

Air con and heater will continue to operate with the engine switched off.

There is no pollution when stopped in traffic or when slowing down.

Uses less than half the petrol of a similar size and performance conventional car

No changing gearbox as power is split through a clever planetary gear set-up.

Has electric brakes steering and transmission selection.

No usual starter motor or alternator as the large traction motor does both.

Batteries are inside the car rather than the hot under bonnet environment.

Eight air bags protect the occupants and stability and traction control helps to keep the car from danger

	<p>The Toyota Prius has a 50 Kw electric motor and large, 208 volt, traction battery which will move the car silently up to 30 kms per hour.</p>
	<p>Faster than 30 kms per hour and the engine assists the electric motor right up to the maximum speed of 170 kph.</p>
	<p>For fast acceleration or overtaking, both the engine and the electric motor power the car forwards quickly and easily.</p>
	<p>Often the motor will power the car forward and, at the same time, charge the battery with its excess energy.</p>
	<p>When braking, slowing or going downhill, the energy of the moving car passes from the electric motor to charge the battery.</p>
	<p>If the battery is getting low, the engine will start automatically to top up the charge. Computers do the thinking.</p>

MOST IMPORTANTLY, TOYOTA PRIUS PRODUCES ONLY 50% OF GREENHOUSE GASES THAT ARE CAUSING GLOBAL WARMING AND JUST 10% OF MATTER THAT CAUSES HAZE AND POLLUTION, COMPARED TO AN ORDINARY CAR.