TOYOTA

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Environmental Friendly Power Creates Hassle-free Driving for a Green City
First Ever Toyota Plug-in Hybrid Comes to Hong Kong for Government Testing

In recent years the Hong Kong Government has actively initiated a host of environmental protection policies as a means to develop the Territory into a true 'Green City'. In support of these environmental initiatives, Crown Motors Ltd and Toyota Motor Corporation have imported the new and innovative Toyota Prius Plug-in Hybrid to Hong Kong, and the vehicle will proceed a 3-month long series of tests by government authorities.

Secretary for the Environment, Edward Yau arrived Wanchai this afternoon to test drive the Toyota Prius Plug-in Hybrid. Mr. Yau said he felt honored that Hong Kong was able to participate in the Toyota Prius Plug-in Hybrid testing scheme. When the Toyota Prius Plug-in Hybrid is running in EV mode, it can achieve zero emissions, eliminating all harmful exhaust. When the car's speed exceeds 100km/h, or when the need arises, it can also be switched over to HV mode. Mr. Yau welcomed the fact that with the Toyota Prius Plug-in Hybrid, conscientious car owners in Hong Kong can participate in a wider range of environmental protection measures.

The Toyota Prius Plug-in Hybrid offers the same special characteristics as the Toyota Prius Hybrid, including remarkable driving performance that's not only quiet, but also provides a plug-in charging system based on Toyota Prius Hybrid technology to effectively increase the distance and speed it can travel in EV mode. It is also equipped with a lithium-ion battery for strengthened power, reaching maximum speeds of 100km/h under full electrical operation. When two modes (EV & HV) work in tandem, total fuel consumption reaches up to 57km/L, saving consumers a great deal of energy and money. The lithium-ion battery offers huge electricity capacity, enabling the vehicle to travel up to 23.4 kilometers under EV mode, enough to handle most daily needs while simultaneously emitting zero emissions, thus eliminating air pollution in the environment. Toyota Prius Plug-in Hybrid is capable of being recharged using an external power source, such as a household electric outlet, making it extremely convenient and practical. The battery charging operation is exceptionally quick, requiring only about 100 minutes. By nearly the time it takes to watch a soccer match, the lithium-ion battery can be fully re-charged. This fast recharge time is comparable with common electric cars using quick charging, which requires a 'Three-phase power supply' as a battery charger.

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The Toyota Prius Plug-in Hybrid is also remarkably flexible in many ways and not just limited by electric power or battery charging stations. The practicality of this vehicle is obvious, allowing you to enjoy a truly hassle-free driving experience. At the same time increased popularity of environmental friendly vehicles as a power source helps nurture a 'Green City'.

The Toyota Prius Plug-in Hybrid testing is now being carried out in many places across the globe, including America, Europe, Japan, mainland China and Hong Kong. Because Hong Kong offers different types of road conditions for testing purpose, it has become one of the best sites to evaluate the Toyota Prius Plug-in Hybrid. Testing will start in January 2011, for three months with many relevant Government departments taking part mainly to evaluate the Toyota Prius Plug-in Hybrid's serviceability and performance. In future, Toyota will continue to develop plug-in hybrids and electric vehicles to provide greater green choices for customers.

The Toyota Prius Hybrid series has been actively promoted for more than ten years. Its reliability, durability and performance have been consistently outstanding while also garnering enthusiastic support from the motoring public with global total sales over 2 million units. It is today the standard bearer for environmentally clean automobiles. The Hong Kong Government, in fact, has already purchased approximately 300 Toyota Prius Hybrids for use in various government departments.

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Appendix 1

Comparison of Toyota Prius Plug-in Hybrid & Common Electrical Vehicle

	Toyota Prius Plug-in Hybrid	Common Electrical Vehicle
Cruising Range	1,400 km (EV+HV)	Around 300 km
Maximum Speed	180 km/h	Around 150 km/h
Energy Type	❖ Gasoline ❖ Electricity	❖ Electricity
Charging Method	❖ Electrical energy generated by gasoline engine ❖ Household Electric Outlet	❖ Household Electric Outlet ❖ Quick Charging (Requires 'Three-phase power supply', 80% of electricity can be restored)
Charging Duration	Standard Charging – Around 100 mins (Remarks: Can be refueled at gas station with around only 5 mins)	❖ Standard Charging – At least 6 hours ❖ Quick Charging - Around 30 mins
Restraints	Nil	❖ Frequent alertness to the battery level ❖ Longer standard charging duration (At least 6 hours) ❖ Only one quick charging station currently

Appendix 2

Specification

- ❖ Displacement: 1,797 cc
- ❖ Transmission Type: Electronically Controlled CVT
- ❖ Drive System: Front Wheel Drive
- ❖ Overall Length: 4,460 mm
- ❖ Overall Width: 1,745 mm
- ❖ Overall Height: 1,490 mm
- ❖ Wheel Base: 2,700 mm
- ❖ Weight: 1,490 kg
- ❖ Seating Capacity (including driver): 5
- ❖ Minimum Turning Radius: 5.2 mm
- ❖ Tyre & Wheel: 185/65R15

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Environmental Performance:

- Plug-in hybrid fuel efficiency: 57.0 km/L (CO2 emissions 41g)
- Cruising range when using battery power: 23.4 km

Power:

- System: THS II Plug-in
- Engine Type: L4 DOHC 16-valve VVT-i Engine
- Maximum Output: 73kW (99PS) / 5,200rpm
- Maximum Torque: 142Nm / 4,000rpm

- Electric Motor: 3JM permanence magnet
- Maximum Output: 60kW (82PS)
- Maximum Torque: 207Nm

- Drive battery: Lithium-ion
- Capacity: 5.2kWh
- Rated voltage: 345.6 V
- Charging time: 100 minutes (AC200V)
- System maximum output: 100kW (136PS)
- System voltage: 650V
- EV mode maximum speed: 100 km/h

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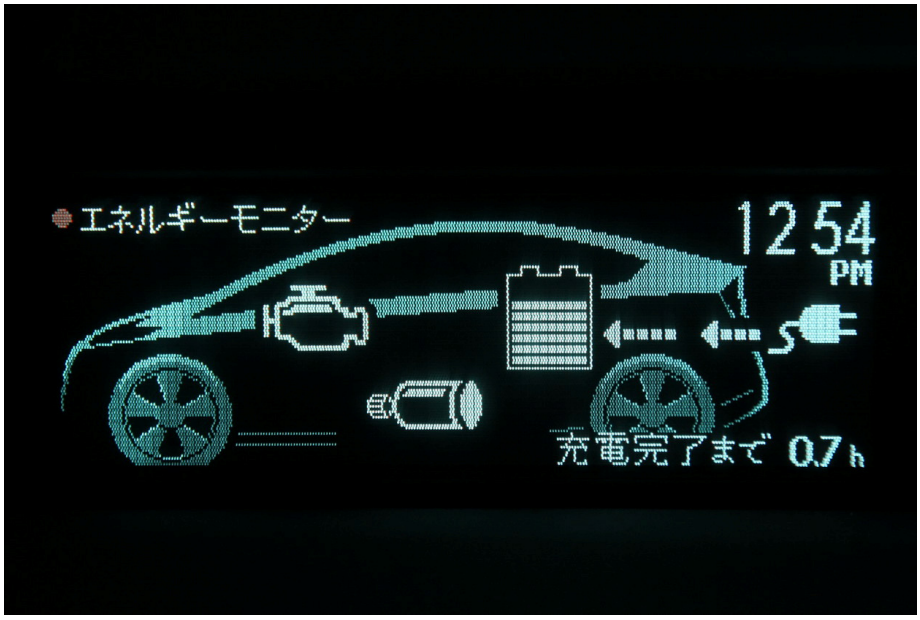
Photo Caption:

Toyota Prius Plug-in Hybrid can be fully charged in 100 minutes using an external power source, such as a household electric outlet, making it extremely convenient and practical.



The charging progress of Toyota Prius Plug-in Hybrid can be displayed on the meter cluster. (Remarks: Charging is in progress)

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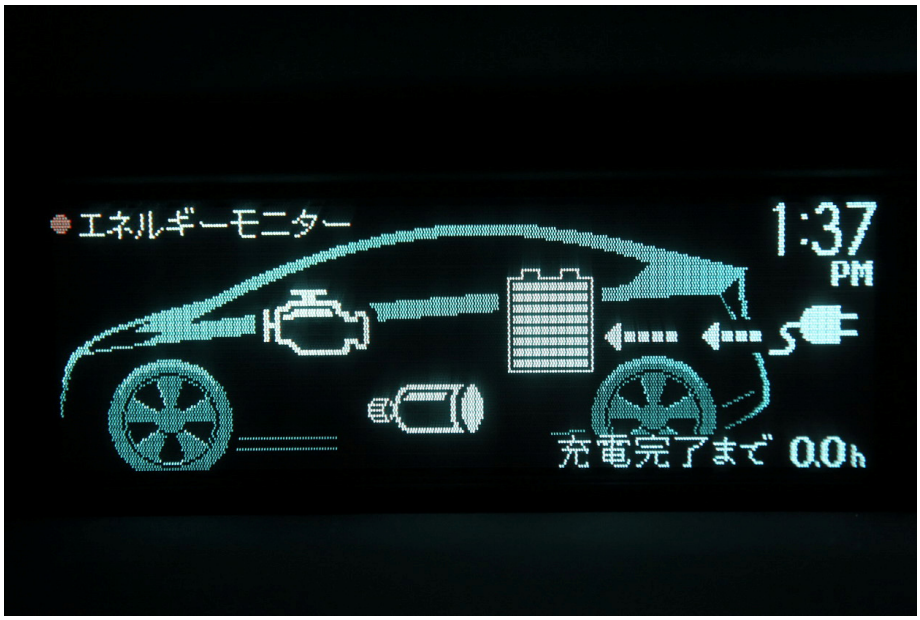
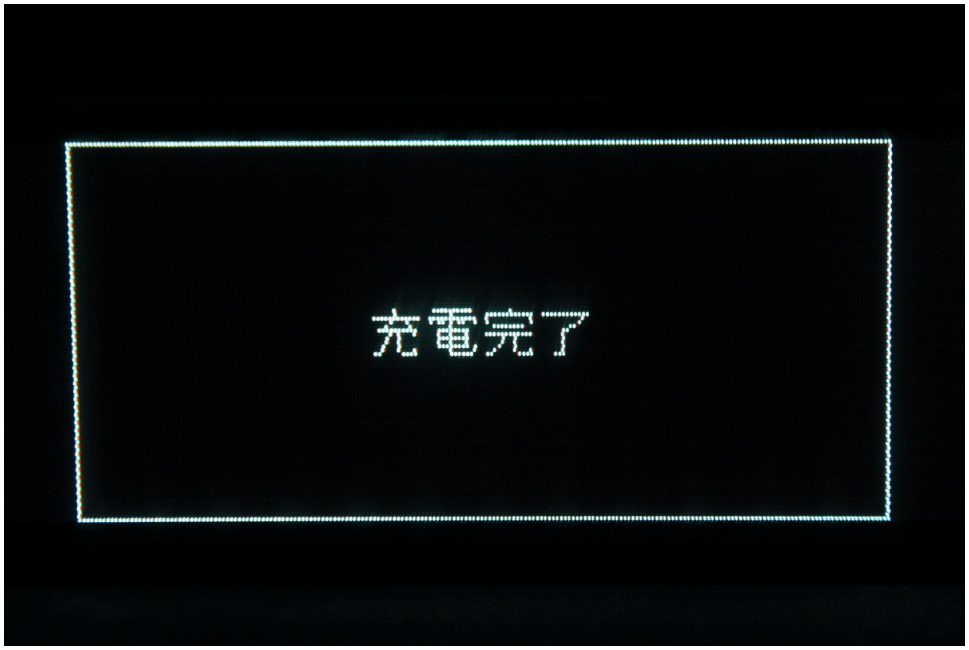


The charging progress of Toyota Prius Plug-in Hybrid can be displayed on the meter cluster. (Remarks: Charging will soon be completed)



The charging progress of Toyota Prius Plug-in Hybrid can be displayed on the meter cluster. (Remarks: charging is completed)

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