

Charging System for PHEV and EV

Toyota Industries has been supplying automakers with charging systems designed for electric vehicles since the 1990s. To help popularize plug-in hybrid vehicles and electric vehicles, we are developing both charging infrastructures and on-board chargers.

Charging infrastructures

Charging Stand with communication function



This stand is ideal for installation in public places due to comprehensive safety and management support functions.

It is also equipped with a communication function that enables the data center to centrally manage the usage and operation statuses of the charging equipment as well as remotely monitor it for failures 24 hours a day.

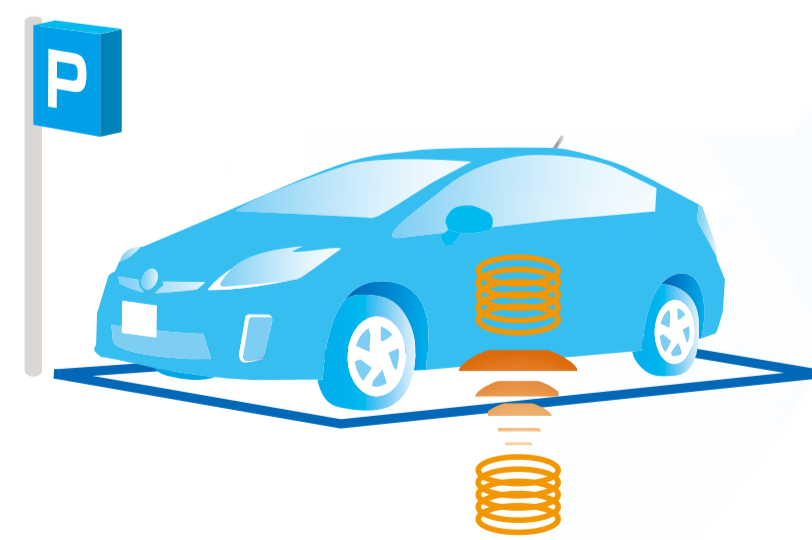
Charger for Home Use



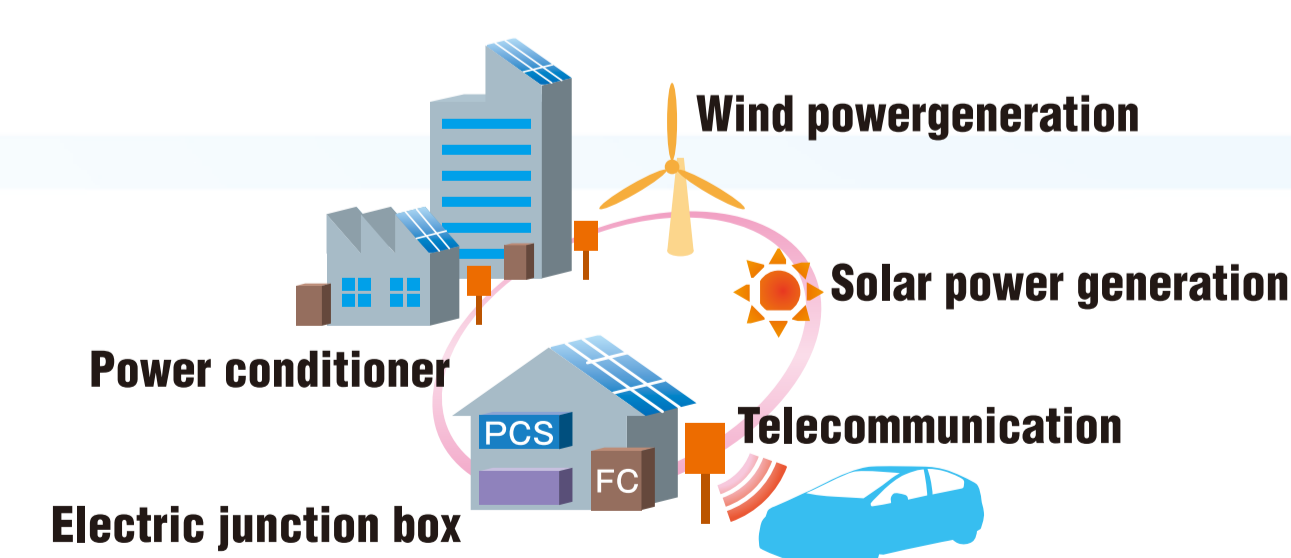
A compact wall-hanging charger with charging cable. The signaling function between the charger and the vehicle(CPLT) enables safer charging.

Future development efforts

Contactless charging system



Comprehensive power supply system



On-board Charger (for the Toyota Prius PHV)



Output and compact size that match the high-voltage battery capacity of PHVs have been achieved.

Specifications

Maximum output	:2kW(@AC200V)
Rated input voltage	:AC100~AC240V
Charging the battery voltage	:288~400V
Volume	:8.6L

Next Generation Target Volume :3.8L

About Plug-in Hybrid Vehicles

This vehicle runs as an EV for short-distance driving and as a hybrid vehicle when the battery power has run out, and thus providing the advantages of both EVs and hybrid vehicles.

- No CO₂ is emitted during EV operation.
- Users can be charged at an EV charging station or home using an electric outlet.
- Users can go on a long-distance drive without being concerned about running out of battery power.



Battery charging from an electric outlet

