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(57) Abstract :

In an external charging mode of a plug-in hybrid vehicle, electric power from an external power supply electrically connected to a connector is converted and supplied to a power line electrically connected to a battery and an electric air-conditioning device. If charge allowable power of the battery is smaller than or equal to a prescribed value when the electric air-conditioning device is operated, a DFR is opened to stop electric power supply from the external power supply and drive the electric air-conditioning device by electric power of the battery. As a result, even if the consumed power of the electric air-conditioning device is suddenly decreased, the inflow of surplus electric power that cannot be absorbed by the battery from the external power supply can be prevented.

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