ABSTRACT

The present application provides a powertrain, a vehicle controller and a vehicle, relating to the technical field of vehicles. The powertrain includes a motor, a reducer and a controller; the controller includes a controller housing, and a first control module and a second control module that are arranged within the controller housing; the first control module includes a vehicle control unit, a motor control unit, a high voltage battery management unit and a low voltage battery management unit; the second control module includes a charging control unit; the controller housing is provided with a first opening and a second opening, and the controller housing is further provided with a first cover and a second cover, the first cover is configured to openably cover the first opening, and the second cover is configured to openably cover the second opening, where the first opening is opposite to the first control module, and the second opening is opposite to the second control module. The present application enables safe and convenient maintenance of components such as the on-board charger without colliding or damaging other electrical components.

Fig. 1