

Car Battery Management System

ABSTRACT

Many car battery measuring and management system currently comprise of a device that is insert to either the cigarette socket or On Board Diagnostic (OBD) socket. These systems measure the voltage of the car battery indirectly, usually via another circuit route, which induces a voltage drop and reduce the reading accuracy. Another limitation is that these systems provide only the current moment of voltage reading of the car battery but tells very little of its health status.

In this invention, the car management system includes a device attaches directly across the two terminals of the car battery, which ensures the voltage measurement reflects the actual voltage of car battery. The reading is transmitted to an electronic device, such as mobile phone, tablet or dashboard onboard the car. An application is developed to analyze these reading and advise the end users the health status of the car battery.

Figure 1