PDM and Electric Vehicles

In an electric vehicle a lot of the standard parameters of a standard car are not needed but other parameters are very important.

Fuel Tank in an Electric Vehicle

The state of charge is the most important parameter of an electric vehicle and you could say its like the fuel tank in a standard car.

How can we get it from the battery manager to the dash display?

The battery manager usually can communicate the state of charge via can bus.

A can protocol will need to be written for the vehicle which will set the state of charge as a fuel level signal, then the fuel level can display the amount of charge in the cells and from that the range is calculatable.

The temperature of the motor is also important to monitor because if it gets hot it can seize or may need some maintenance. This can be monitored by the car ecu and be available via can or by a heat sensor bolted to the motor.