What is claimed is:

1. An electrical connector, comprising poles and a first accommodating cavity surrounding the poles, the electrical connector further comprising a seal detection device, the seal detection device comprising a pressure detection unit, the pressure detection unit being located in the first accommodating cavity and configured to detect a pressure change when the first accommodating cavity is in a sealed state, wherein the electrical connector determines whether the sealing of the first accommodating cavity is normal according to the pressure change.

2. The electrical connector according to claim 1, further comprising a strain controller, the strain controller being configured to receive the pressure change and to send out an alarm instruction signal when the pressure change is greater than a preset value.

3. The electrical connector according to claim 2, wherein the pressure detection unit comprises an optical fiber strain sensor, a detection end of the optical fiber strain sensor is arranged in the first accommodating cavity, an optical fiber of the optical fiber strain sensor is led out of the first accommodating cavity, and the strain controller is arranged outside the first accommodating cavity and connected with the optical fiber to receive the pressure change.

4. The electrical connector according to claim 3, wherein the electrical connector is provided with a lead-out hole through which the optical fiber is led out of the first accommodating cavity, and a gap between the optical fiber and the lead-out hole is sealed by a sealing part.

5. The electrical connector according to claim 4, wherein the sealing part comprises an epoxy resin adhesive sealing part or an organic silicone adhesive sealing part.

6. The electrical connector according to claim 2, wherein the strain controller is configured to be electrically connected to a battery management system of a vehicle and configured to send the alarm instruction signal to the battery management system.

7. The electrical connector according to claim 6, wherein the battery management system is configured to be electrically connected to a vehicle controller of the vehicle and configured to send the alarm instruction signal to the vehicle controller.

8. The electrical connector according to claim 2, further comprising an alarm unit electrically connected to the strain controller, the alarm unit being configured to alarm after receiving the alarm instruction signal.

9. A ~~quick-change~~ connector for a battery pack of an electric vehicle, comprising a

vehicle-side connecting part and an electrical connector according to any one of claims 1 to 8, wherein the electrical connector is configured as a battery-side connecting part of the ~~quick-change~~ connector and is configured to be connected to the battery pack; the vehicle-side connecting part is configured to be connected to the vehicle; the vehicle-side connecting part is butted with the electrical connector to seal the first accommodating cavity.

10. The ~~quick-change~~ connector for the battery pack of the electric vehicle according to claim 9, wherein the vehicle-side connecting part is provided with a second contact portion, and a first contact portion and the second contact portion are arranged correspondingly; the ~~quick-change~~ connector further comprising a seal gasket, the first contact portion and the second contact portion squeeze the seal gasket so that the vehicle-side connecting part is butted with the electrical connector.