ABSTRACT

The present disclosure provides a rechargeable battery assembly and a terminal device. The terminal device is equipped with the rechargeable battery assembly. The rechargeable battery assembly includes a battery body, at least one temperature measurement element, and a processor. The battery body includes a cell and at least two battery lugs. The at least two battery lugs are configured to transmit charging current from a charging device to the cell. The at least one temperature measurement element are corresponding to the at least two battery lugs, and are configured to detect temperature information of the at least two battery lugs. The processor is configured to acquire the temperature information from the at least one temperature measurement element, and to determine a temperature of the cell according to the temperature information.

ABSTRACT

A rechargeable battery assembly (100) and a terminal device. The terminal device is equipped with a rechargeable battery assembly. The rechargeable battery assembly comprises a battery main body (110), at least one temperature measurement element (120), and a processor. The battery main body comprises a cell (112) and at least two battery tabs (114). A charging current from a charging device is transmitted to the cell through the battery tabs. One temperature measurement element is corresponding to one battery tab, and the temperature measurement element is used for detecting the temperature of the corresponding battery tab, and transmitting, to the processor (140), temperature information indicating the temperature of the corresponding battery tab. The processor is used for acquiring the temperature information from the temperature measurement element, and for determining the temperature of the cell according to the temperature information. The rechargeable battery assembly can accurately acquire the temperature of the cell according to the temperatures of the battery tabs, thereby monitoring the temperature of the cell in real time and improving the use safety.