

DIRECT CURRENT LOAD RESPONSE CONTROL METHOD AND DEVICE, AND A DIRECT CURRENT ELECTRIC APPLIANCE

ABSTRACT

The present invention relates to the technical field of smart home, and provides a direct current load response control method and device, and a direct current electric appliance. The direct current load response control method of the present invention comprises: monitoring a utilization voltage of a direct current load; determining whether the utilization voltage is within a response interval; and controlling the operation of the direct current load according to the determination result and the type of the direct current load. By means of the method of the present invention, for different types of direct current loads in a direct current microgrid, corresponding intelligent response solutions that enable responses to direct current bus voltage changes are developed to increase the relative stability of power during response, so that a direct current voltage fluctuation change frequency can be reduced, and more orderly and stable responses can be made to voltage changes on a power supply side, thereby achieving orderly power utilization.

[Fig. 1]