THERMAL MANAGEMENT CONTROL METHOD FOR DATA CENTER, AND ELECTRONIC DEVICE AND READABLE STORAGE MEDIUM

ABSTRACT

The present application discloses a thermal management control method for a data center, an electronic device, and a readable storage medium, belonging to the technical field of communication. The method includes: acquiring first data, the first data characterizing a plurality of actual operating conditions of the data center, and a control parameter and an operating mode under each actual operating condition; performing data supplementation on the first data based on a pre-trained mechanism model to obtain second data, and training an energy consumption prediction data model according to the second data to obtain a trained energy consumption prediction data model; and performing, based on the trained energy consumption prediction data model, prediction to obtain a target control parameter and a target operating mode for the data center, and performing thermal management control on the data center according to the target control parameter and the target operating mode.

FIG. 1