TITLE OF THE INVENTION: POWER CONTROL METHOD AND APPARATUS, ENERGY STORAGE SYSTEM, AND NONVOLATILE STORAGE MEDIUM

Abstract

Disclosed are a power control method and apparatus, an energy storage system, and a nonvolatile storage medium. The method includes: acquiring a State of Charge (SOC)of each of a plurality of battery cells in the energy storage system, and a power direction and a power level of a microgrid connected to the energy storage system; determining, according to the SOC of each of the plurality of battery cells and the power direction of the microgrid, an optimal cell power of each of the plurality of battery cells matching the power direction of the microgrid, and a maximum cell power of each of the plurality of battery cells matching the power direction of the microgrid; determining total optimal power and total maximum power of the plurality of battery cells according to the optimal cell power and the maximum cell power; and determining an actual cell power of each of the plurality of battery cells according to the total optimal power, the total maximum power, and the power level of the microgrid.

Fig. 2