

Title of The Invention: Active Fault Detection Method of Energy Storage System, and Energy Storage System

Abstract

An active fault detection method of an energy storage system, and the energy storage system are provided. The active fault detection method of the energy storage system includes: a step of causing the state of charge of an energy storage battery to reach a first preset value; a discharge time acquisition step of causing the energy storage battery to discharge at constant current a until the state of charge thereof reaches a second preset value, stopping discharging, and acquiring a discharge time T , wherein the second preset value is less than the first preset value; and judging whether the discharge time T is less than or equal to a preset discharge time t , if so, judging that the energy storage battery has a hidden fault or the service life thereof is seriously shortened, and if not, judging that the energy storage battery is normal. The active fault detection method of the energy storage system may judge whether the energy storage battery has the hidden fault or whether the service life of the energy storage battery seriously shortened.

Fig. 1