ABSTRACT OF THE DISCLOSURE

FUEL CELL SYSTEM ARCHITECTURE FOR ARTIFICIAL INTELLIGENCE MODEL TRAINING

The present disclosure is directed to a system that employs fuel cell-based power generation for decentralized data centers that perform large, processing intensive tasks, such as training processes for large artificial intelligence models. The system utilizes various modules, such as energy storage systems, load banks, and other types of loads, to supplement power output by the fuel cells, as well as store any excess power generated by the fuel cell systems. As a result, swings in the power output by the fuel cell systems are minimized and the life of the fuel cell systems may be extended.

Fig.3