

FUEL CELL SYSTEM ARCHITECTURE FOR ARTIFICIAL INTELLIGENCE DATA CENTERS

ABSTRACT OF THE DISCLOSURE

The present disclosure is directed to a system that employs fuel cell-based power generation for various loads, such as data centers for artificial intelligence (AI) model training. The system utilizes various modules, such as different types of energy storage devices, 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 cells are minimized and the life of the fuel cells may be extended.

Fig. 1