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(57) Abstract :

The present disclosure relates to a system (100) and method (300) includes a processor (102) and memory (104) that execute a set of instructions to monitor and manage an energy storage device 112. The system (100) collects a set of real-time data from the energy storage device (112), transmits the collected set of real-time data through a communication protocol, receives and analyzes the set of real-time data through one or more machine learning algorithms, monitors a set of parameters upon analyzation of the real-time data and optimize the operation of the energy storage device (112) based on the analyzed set of real-time data.

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