

Funafo improves technology home energy storage enterprise





Overview

Does minfo improve Smart Building Energy Management?

Results indicate that MINFO significantly improves smart building EM, achieving a reduction of 53.20% in electricity costs (cost only), 53.19% in PAR (PAR only), and 50.84% in combined cost and PAR compared to the base case. These findings underscore the robustness of MINFO as an optimizer for smart building energy management.

How does minfo work?

MINFO operates on two key principles. Firstly, it employs the Elite Centroid Quasi-Oppositional Base Learning (ECQOBL) approach to improve the exploitation capabilities of conventional algorithms. Secondly, it utilizes an Adaptive Levy Flight Motion (ALFM) technique to enhance exploration.

How effective is minfo?

The effectiveness of MINFO is demonstrated through comprehensive evaluations, comparing its performance with other optimization methods across 33 benchmark functions from basic and CEC-2019 test suites.

Can minfo solve em of a smart building?

The proposed MINFO is employed to solve EM of the smart building for reducing the bill cost, and the PAR separately and concurrently. Also, for fair comparison the obtained results were compared to INFO, SCSO, AVOA, GWO, HHO, ZOA, WOA, RIME and BDO.



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