

SolarTech Power Solutions

Wind power generation and energy storage matching ratio



Overview

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In response to the issue of limited new energy output leading to poor smoothing effects on grid-connected load fluctuations, this paper proposes a load-power smoothing method based on “one source with multiple loads”. The method comprehensively considers the proximity between the source and the

load. A matching standard for source-side and different load-side matching different loads, a selection algorithm based on Tent-chaotic mapping is employed to optimize the stable output from the low-frequency correlation of wind and solar energy, combining alleviating load Power smoothing's dual carbon goals, etc.

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