

Energy storage for peak shaving luxembourg

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Chen, X.; Nan, D.; Xiong, X.; Chen, H.; Ma, W. Energy Storage Capacity Configuration Planning Considering Dual Scenarios of Peak Shaving and Emergency Frequency Regulation. *Processes* 2024, 12, 743. <https://doi/10.3390/pr12040743>

Chen X, Nan D, Xiong X, Chen H, Ma W. Energy Storage Capacity Configuration Planning Considering Dual Scenarios of Peak Shaving and Emergency Frequency Regulation. *Processes*. 2024; 12(4):743. <https://doi/10.3390/pr12040743>

Chen, Xiaozheng, Dongliang Nan, Xiaofu Xiong, Hongzhou Chen, and Wenqing Ma. 2024. "Energy Storage Capacity Configuration Planning Considering Dual Scenarios of Peak Shaving and Emergency Frequency Regulation" *Processes* 12, no. 4: 743. <https://doi/10.3390/pr12040743>

Chen, X., Nan, D., Xiong, X., Chen, H., & Ma, W. (2024). Energy Storage Capacity Configuration Planning Considering Dual Scenarios of Peak Shaving and Emergency Frequency Regulation. *Processes*, 12(4), 743. <https://doi/10.3390/pr12040743>

A proportional relationship between grid filling power and capacity demand is proposed. It is used to determine the energy storage configuration for auxiliary peak shaving.

A dynamic economic evaluation model considering energy storage investment and maintenance costs, electricity profit, and auxiliary service compensation is proposed.



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