

Xiaochun Network Solar Power Generation



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Xiaochun Xu's research works , State Grid Electric Power Research

A reactive power reserve prediction method for ev charging piles based on big data and optimized neural network is proposed.

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Xiaochun Xu , IEEE Xplore Author Details

She is currently a Senior Engineer with State Grid Huaian Power Supply Company, Huai'an, China. Her research interests include energy management, operation control, and relay protection of power ...



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Xiaochun ZHOU , Chinese Academy of Sciences, Beijing , CAS

Flexible electrochemical power sources are attracting increasing attentions for their unique advantages like flexibility, shape diversity, light weight and excellent mechanical properties.

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Ultra-short-term photovoltaic power

prediction based on modal

This study proposes a PV power prediction model based on modal reconstruction and bidirectional long and short-term memory network stacked convolutional neural network with ...

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Prediction of power generation and maintenance using AOC ...

Photovoltaic power prediction is essential to solve this problem, as it can improve the quality of photovoltaic grid connection, optimize grid scheduling, and ensure the safe operation of the ...

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4MW Rooftop Distributed Power Station in Fengxian District, Shanghai

Solutions Large-scale Power Plant
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Lithium battery parameters

Product capacity: 100Ah

Product size: 135*197*35mm

Product weight: 1.82kg

Product voltage: 3.2V

internal resistance: within 0.5



Ultra-short-term photovoltaic power prediction based on similar day

In light of this, this paper introduces a PV power prediction model based on similar-



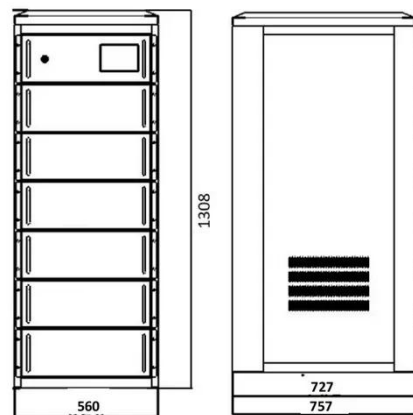
day clustering and temporal convolutional network (TCN) with bidirectional long short-term memory ...

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Xu Xiaochun , IEEE Xplore Author Details

LIU Dong received his B.S. and M.S. degree in 1989 and 1994 respectively from Sichuan University, China, and Ph.D. degree in 1997 from Southeast University, China. He is now a professor of ...

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Maximizing solar power generation through conventional and

In the context of solar power extraction, this research paper performs a thorough comparative examination of ten controllers, including both conventional maximum power point ...

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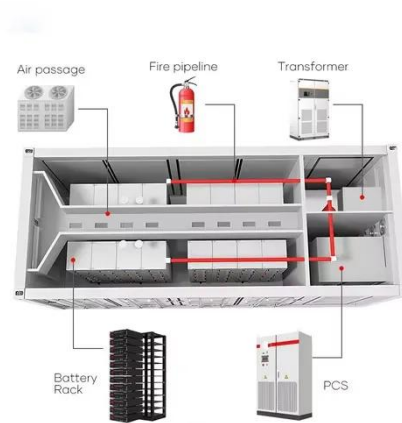
Greenness change associated with construction and operation of

Photovoltaic (PV) solar energy is considered as a promising solution to mitigate the environmental costs

associated with the use of fossil fuels.
However, the environmental impacts of

...

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