

# Lilin Solar Photovoltaic Power Generation



## Overview

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He was a Visiting Scholar with the Department of Electrical and Computer Engineering, National University of Singapore, Singapore, in 2022 and 2023. Photovoltaic Power, Power System, Root Mean Square Error, Photovoltaic Power Generation, Distribution Network, Forecasting Results, Mean Absolute Error, Numerical Weather Prediction, Power Generation, Reward Function, Battery Energy Storage, Consecutive Images, Deep Learning, Deep Reinforcement. y land, sparse and moderate grassland. Many leading countries are boosting renewables, especially solar energy, as a major way to mitigate fu medium resolution of 30 meters 9,10. There thus still lacks a national. Developing solar power generation technology is an efficient approach to relieving the global environmental crisis.

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### Lilin Cheng , IEEE Xplore Author Details

He is currently a Lecturer with the School of Electrical and Power Engineering, Hohai University. His research interests include renewable energy integrated power systems, and artificial intelligence ...

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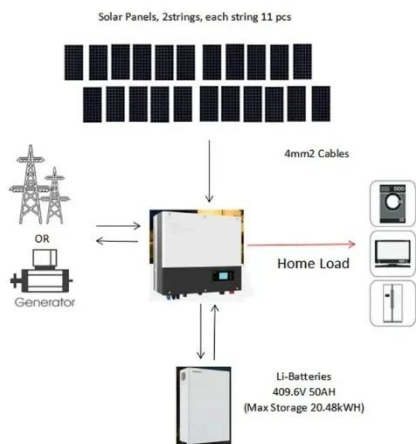
### Lilin CHENG , Research profile

Solar photovoltaic power plays a vital role in global renewable energy power generation, and an accurate solar power forecast can further promote applications in integrated power



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### Short-term Solar Power Prediction Learning Directly from Satellite

The model can be applied to PV plants or arrays in different areas, suitable for forecast horizons within three hours.

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## SEMINAR ANNOUNCEMENT

His research interests include renewable energy integrated power systems, and artificial intelligence technologies for smart grids. He is also now preparing for a research visit to the Green Energy ...

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### Location of Lilin Solar Power Station

This study re-estimated the installed potential of centralized large-scale and distributed small-scale photovoltaic power stations in 449 prefecture-level cities in China based on a geographic information ...

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### Lilin distributed photovoltaic power generation project started

Lilin Photovoltaic Power Generation Project is the first distributed photovoltaic power generation project in Xiamen to start construction since Huaneng Fujian Company implemented the ...

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### Lilin Cheng (0000-0003-3636-5987)

Day-ahead photovoltaic power forecasting approach based on deep convolutional neural networks and meta



learning International Journal of  
Electrical Power and Energy Systems

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### Evaluation of opaque deep-learning solar power forecast models ...

Based on the results, the aim of this study is to increase confidence of deep-learning-based intelligent models into the practical engineering utilization of solar power forecasting.

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