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Title: Large span photovoltaic support construction technology

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Abstract The flexible photovoltaic support system is one of the systems that have been proposed to support photovoltaic modules with wide application potential in recent years. It has the advantages of ...

By means of the present method, flexible support for modules in a photovoltaic power generation system with an ultra-large span greater than 100 meters can be realized, filling the gap in...

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This paper optimizes the design of a novel large-span cable-supported steel-concrete composite floor system in a simply supported single-span, single-strut configuration, aiming for cost-effective ...

Flexible photovoltaic (PV) support structure offers benefits such as low construction costs, large span length, high clearance, and high adaptability to complex terrains.

The flexible support photovoltaic module structure system has advantages such as large span, fast construction speed, and suitability for complex environments. However, this kind of system ...

It has the advantages of large span, fast construction speed, and can adapt to complex environments. This kind of support system can be used in large-span and complex scenes such as...

This paper investigates the wind load characteristics of large-span flexible-support PV arrays with different tilt angles through wind tunnel pressure measurements.

Proposed equivalent static wind loads of large-span flexible PV support structure. Flexible photovoltaic (PV) support structure offers benefits such as low construction costs, large span length, high ...



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