

Title: Juli Mechanical Photovoltaic Support

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In this paper, the mechanical properties and wind resistance of a new type of cable-truss support photovoltaic module system are analyzed. The superiority of the cable-truss support system ...

Considering the effects of fluid forces and vortex interactions on the vibration behavior of photovoltaic support components, this study investigates the wind-induced response characteristics...

The influence of different joint connection types on the mechanical performance of the photovoltaic support system was analyzed accordingly, and the effectiveness of the new joint ...

Innovative joint connections were proposed to optimize the structural performance of photovoltaic supports. The results showed that photovoltaic supports designed using Chinese codes...

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To improve the span and stiffness and widen the application scene of the flexible photovoltaic support system, a new type of three-dimensional cable-truss flexible photovoltaic support system is proposed ...

Based on the proposed field modal testing and modal parameter identification method, the high-order modal parameters of flexible PV support structure are identified in the first time.

The Juli New Energy JLS96M210W photovoltaic panel offers a power of 210W. The maximum current is 4.42A, with a voltage of 47.5V. The panel shows resilience with 4.95A short circuit current and 57V ...

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