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Title: Flexible photovoltaic support wind-resistant cable

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In this paper, the new flexible photovoltaic support structure is summarized, and the related research articles on the structural design model and wind-induced effect of the flexible ...

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 has the ...

The invention aims to provide an anti-wind flexible suspension cable type photovoltaic power generation device which is used for solving the problems existing in the background technology.

Taking a flexible PV bracket with a span of 30 m and a cable axial force of 75 kN as the research object, we investigate the variation patterns of the support cables and wind-resistant cables ...

The results showed that the double-layer cable large-span flexible PV support can effectively control the wind-induced vibration response and prevent the occurrence of flutter under ...

These findings provide insights for wind-resistant design optimization of flexible PV supports.

In this paper, the wind-induced vibration response characteristics of the cable-truss support photovoltaic module system are studied and the wind suppression measure is proposed to ...

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 ...

Are flexible PV supports sensitive to wind? Flexible PV supports are highly sensitive to fluctuating wind, and thus numerous scholars have studied the wind-induced response of flexible PV supports.

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