

The cable truss flexible photovoltaic support (CTFPS) is mainly composed of load-bearing cables, stability cables, and struts, with a higher overall stiffness which significantly reduces ...

The flexible photovoltaic support system can realize the large span of the suspension cable structure, reducing the amount of support steel and the number of support foundations, and greatly lowering ...

Since 2000, flexible support photovoltaic module structure systems have been widely used because of their advantages such as short construction period, large span, good economic ...

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 ...

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The suspension cable structure with a small rise-span ratio (less than  $1/30$ ) is adopted in the flexible photovoltaic support, and it has strong geometric nonlinearity.

The cable wire assembly that sets up can rotate through drive assembly, and then changes the contained angle of photovoltaic board and ground, can also clear up the debris on the photovoltaic...

It is a photovoltaic support system supported by suspension structure. The suspension structure consists of a series of tensioned cables as the main load-bearing components.

This study involves the development of a MATLAB code to simulate the fluctuating wind load time series and the subsequent structural modeling in SAP2000 to evaluate the safety ...

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