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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 ...

Accordingly, the invention aims to provide a photovoltaic flexible support fastening tension cable, which aims to: ensure the stability of cable inside the hole, can also guarantee the...

By leveraging the strength of cables under tension, these systems provide remarkable flexibility, durability, and adaptability, making them ideal for a wide range of architectural and civil engineering ...

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 ...

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 ...

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.

Recently, the authors (He et al., 2020) proposed a new cable-supported PV system using three cables and four triangle brackets to form an inverted arch to reduce the vertical displacement of ...

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.



# Photovoltaic flexible support wire tensioner

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