

in Photovoltaic Bracket System during a Lightning Stroke Xiaoqing Zhang * and Yaowu Wang School of Electrical Engineering, Beijing Jiaotong University, Beijing 100044, China; ...

Xiaoqing Zhang's 12 research works with 61 citations and 1,786 reads, including: Calculation of Transient Magnetic Field and Induced Voltage in Photovoltaic Bracket System during a ...

5 ???· ???: ????, ????, ????, ???, ??? Abstract: In order to study the mechanical properties of the fixed photovoltaic bracket and its failure under wind load, the full ...

The lightning transient calculation is carried out in this paper for photovoltaic (PV) bracket systems. The electrical parameters of the conducting branches and earthing electrodes are ...

PV bracket system is typically constructed by a series of tilted, vertical and horizontal conductor branches as shown in Figure 1. During a lightning stroke, the lightning current will inject into ...

To address the problem of low reliability of PV tracking brackets under extreme wind loads, ANSYS fluid-structure coupling is applied to analyze the PV tracking system under different ...

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 under temperature decrease ...

Under three typical working conditions, the maximum stress of the PV bracket was 103.93 MPa, and the safety factor was 2.98, which met the strength requirements; the hinge joint of 2 rows ...

??? : ???, ???, ?????, ????? Abstract: In the intelligent photovoltaic tracker brackets, cold-formed purlins were used to support the photovoltaic panels, and ...

In order to achieve the effective use of resources and the maximum conversion rate of photovoltaic energy, this project designs a fixed adjustable photovoltaic bracket structure ...

ZHANG H C, YANG S, SHEN D J, et al. Study on roof selection and bracket structure scheme of distributed photovoltaic plant [J]. Solar energy, 2016(3): 60-63+55. ... FAN J C, LIU R H, et ...

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