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Hai-Quan Jing: Methodology, Software, Formal analysis, Writing - review & editing. Fang Zhang: Conceptualization, Methodology, Project administration. Xiao-Ping Wu: ...

The lightning transient calculation is carried out in this paper for photovoltaic (PV) bracket systems and the distribution characteristic of lightning transient responses is also ...

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Huiming Zhang; Zhidong Xu; ... Then, an actual PV bracket system is used as the numerical example. The lightning transient responses are calculated for typical locations of ...

DOI: 10.1016/j.ijepes.2024.109855 Corpus ID: 267693932; Multi-terminal negative sequence directional pilot protection method for distributed photovoltaic and energy storage distribution ...

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

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 ...

An effective method is proposed in this paper for calculating the transient magnetic field and induced voltage in the photovoltaic bracket system under lightning stroke. Considering the need for the lightning current ...

Journal of Visualization,2021,24(3):471-484. [7] HE X H,DING H,JING H Q,et al. Mechanical characteristics

of a new type of cable-supported photovoltaic module system[J]. ...

Jing Zhang. This person is not on ResearchGate, or hasn't claimed this research yet. ... Photovoltaic technology presents a sustainable solution to address the escalating ...

DOI: 10.1016/j.engstruct.2023.117125 Corpus ID: 265078200; Experimental investigation on wind-induced vibration of photovoltaic modules supported by suspension cables ...

Yaowu Wang¹, Xiaoqing Zhang, and Shiqi Tao ¹ School of Electrical Engineering, Beijing Jiaotong University, ... A PV bracket system is diagrammatically illustrated in Fig. 1.

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