

To overcome the limitation of detection accuracy and speed, an improved photovoltaic surface defect detection method is proposed in this paper. You Only Look Once-v5 (YOLO-v5) is ...

Foundation selection is critical for a cost effective installation of PV solar panel support structures. Lack of proper investigation of subsurface conditions can lead to selection of the wrong foundation type ...

Therefore, this paper aims to investigate the application of bionics principles to propose a novel type of photovoltaic bracket pile foundation designed to meet diverse bearing capacity...

Inspired by the wide application of CNN in the field of computer vision, this paper introduces deep learning into the field of foundation pile detection, and uses the model ...

The multi-channel integrity detection experiment on the foundation pile is mainly used to judge whether the integrity of the foundation pile meets the requirements by analysing the acoustic signal ...

This study has comprehensively investigated the bearing characteristics of three types of photovoltaic support piles, serpentine piles, square piles, and circular piles, in desert ...

By realizing the foundations for the photovoltaic power plant, a row of stiff metallic piles, having 110 mm diameter, embedded into the stiff clay layer, placed at every 2 m, these piles acting like a retaining ...

This paper focuses on flexible PV support structures, conducting field modal testing and proposing a modal property identification method based ...

The invention provides a photovoltaic support foundation detection device which can more accurately measure the inclination degree of a photovoltaic pile foundation.

To study the frost jacking performance of photovoltaic support steel pipe screw pile foundations in seasonally frozen soil areas at high latitudes and low altitudes and prevent excessive frost jacking ...



Photovoltaic detection paper

support

foundation

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