

Title: Photovoltaic support pile experiment

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This study aims to examine the factors influencing the bearing characteristics of the serpentine piles.

In this study, the frost jacking characteristics of steel pipe screw piles for photovoltaic support foundations in high-latitude and low-altitude regions are studied via in situ tests and ...

Utilizing experimental data, numerical simulation technology was employed to comprehensively investigate the pullout resistance, compressive resistance, and horizontal bearing ...

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

This study investigates the horizontal load-bearing properties of steel pipe piles used in offshore photovoltaic systems by conducting field tests with single-pile horizontal static loads and ???

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 ...

Solar Foundation Piles are round steel pipe piles available in varying lengths that can include either a plate to which the solar panel bracket(s) can be attached or holes drilled into the end of the ...

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

A scaled model was used to simulate the test of photovoltaic support pile foundation under wind load, and the pressure, permeability, and load transfer law of the soil around the pile ...

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