Spiral steel pile photovoltaic support

The invention further discloses a production process of the spiral ground pile of the photovoltaic support.

Piles tested at Site 1 were either single- or double-helix piles (pile types SP1 and SP2) with a shaft diameter of 89 mm, a wall thickness of 6.5 mm, a length of 4.5 m, a helix diameter of 304 ...

This article focuses on the core characteristics of spiral ground piles, detailing their performance indicators, material selection, scenario adaptation solutions, and key construction quality control points, providing a ...

The spiral steel pile foundation, also known as a steel ground anchor, is an increasingly widely used foundation form for photovoltaic brackets. It consists of hot-dip galvanized steel pipe piles with spiral ...

The spiral steel pile foundation, also known as the steel anchor, is an increasingly widely used form of photovoltaic support foundation. It uses hot-dip galvanized steel pipe piles with spiral blades under ...

Its essence is galvanized steel pipe pile with screw blade welded. The spiral blade can well increase the resistance of soil to it and enhance the pulling force of the spiral pile.

In April 2024, Yuantai Derun Steel Pipe Group successfully manufactured offshore photovoltaic ground piles, which will provide strong metal material supply for national offshore photovoltaic projects.

The common forms of photovoltaic support foundations include concrete independent foundations, concrete strip foundations, concrete cast-in-place piles, prestressed high-strength concrete (PHC piles), steel piles and ...

This structural design not only enhances the friction between the spiral pile and the soil, but also effectively resists the horizontal and vertical loads, so that the spiral pile is firmly rooted in the ground, providing reliable ...

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