

Photovoltaic support in collapsible loess areas



Overview

In this study, three representative machine learning algorithms: multi-expression programming (MEP), random forest (RF) and support vector machine (SVM) are used to develop three straightforward prediction models for the loess self-weight collapsibility coefficient values, aiming. In this study, three representative machine learning algorithms: multi-expression programming (MEP), random forest (RF) and support vector machine (SVM) are used to develop three straightforward prediction models for the loess self-weight collapsibility coefficient values, aiming. Collapsibility affects loess engineering stability; the straightforward prediction for the self-weight collapsibility coefficient of loess is useful to determine the collapsibility type of loess site. Introduction Collapsible loess undergoes significant additional. This research study aims to provide a comprehensive review of the different types of collapsible soils (loess), origin, distribution, occurrence, structure of collapsible soils (loess), laboratory methods of predicting and measuring their potential to collapse, and remediation measures. It. Solar Foundation Piles are spiral shaped steel pipes that have either plates or holes to which the solar panel brackets can be attached or sometimes even holes are drilled into the end of the. At Helical Anchors Inc we make use of the latest technology and patented tools to provide a. Numerous soil types fall in the general category of collapsible soils, including loess, a well-known aeolian deposit, present throughout most of Indiana. Loess is characterized by relatively low density and cohesion, appreciable strength and.

Photovoltaic support in collapsible loess areas



A new method for evaluating loess collapsibility and its application

Through the new method, the corresponding loess site is determined as a collapsible loess site under overburden pressure, and the collapsibility grade of the foundation is II (medium).

Research on optimize design of pile foundations in collapsible

...

In this paper, the foundation design of towering structure in collapsible loess area is studied, to find the appropriate design and optimize scheme, so as to provide technical support for the construction of ...



Formation mechanism of metastable internal support microstructure in

The metastable internal support structure identified in this study can be used to describe the collapse of loess from both macro- and micro-perspectives, providing new insights into

the loess ...



TREATMENT OF COLLAPSIBLE LOESS FOUNDATION

What does photovoltaic pile foundation support mean This process involves applying a controlled load to the pile and measuring its response, ensuring that the foundation is capable of supporting the solar ...



Prediction of collapsibility of loess site based on artificial

To obtain the parameters of loess collapsibility fast and efficiently, a comprehensive understanding of different machine learning algorithms on the prediction of loess collapsibility is ...

Identification and Behavior of Collapsible Soils

ation for the research presented in this report. The research reviewed the

existing literature on: loess, on criteria used for quantifying the degree of collapsibility, on methods for measuring collapse potential ...



Loess soils: distribution, collapsibility, and remediation

Debris flows, rapid alluvial depositions and wind-blown deposits (loess) are the mechanisms that account for almost all naturally occurring collapsible soil deposits. For this reason, the collapse ...

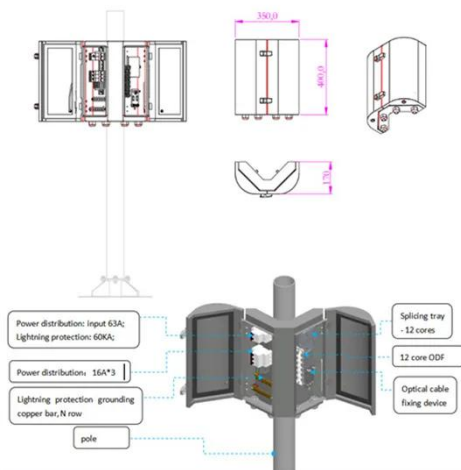
CN205071778U

Abstract The utility model relates to an agricultural field specifically is a settlement by soaking loess area photovoltaic sunlight greenhouse.



Collapsible characteristics and prediction model of remodeled loess

Proceeding from the damage to loess anticompensation capabilities resulting



from soaking, a model is proposed to evaluate the structural strength and parameters of collapsible loess.

A longitudinal analysis of collapsibility with predictions over the

With the increasing demand of constructions across the whole loess areas, spatial analyses over different loess types across a vast region are extremely informative.

 TAX FREE    

Product Model
 HJ-ESS-215A(100KW/215KWh)
 HJ-ESS-115A(50KW 115KWh)

Dimensions
 1600*1280*2200mm
 1600*1200*2000mm

Rated Battery Capacity
 215KWH/115KWH

Battery Cooling Method
 Air Cooled/Liquid Cooled



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://59empagm.pl>

