

European-Style Photovoltaic Substation

Overview

The box is divided into three parts: the high pressure chamber, the low voltage chamber and the transformer, which can be arranged according to the "mesh" type.

The inner and outer surfaces of the box are flat, free of rust, coating peeling and bumping damage, The coating layer is firm no obvious contrast reflection.

The base of the cabinet and all exposed metal parts are treated with anti-corrosion, anti-rust and sprayed with a durable protective layer.

The top cover of the cabinet is provided with a rainproof sealing cover and a rain cover, and the double-layered cover of the box can prevent heat radiation.

The cabinet is made of stainless steel, and the paint is imported automobile paint. All of them are made of enamel paint, anti-smoke, anti-humidity, anti-mold, and outdoor weather resistance. The temperature of the photovoltaic power station is low.



Use Of Environmental Conditions

Altitude: $\leq 3000\text{m}$;

Ambient temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$;

The outdoor wind speed does not exceed 35m/s ;

Shockproof: horizontal acceleration 0.3m/s^2 ; vertical acceleration is not more than 0.15m/s^2 ;

Flood control level: Level III;

Installation location: outdoor;

When the above normal use environment conditions are exceeded, the company can personalize the design according to the user's requirements.

The Main Technical Parameter

Voltage

High voltage side rated voltage: $6\text{kV}, 12\text{kV}, 24\text{kV}, 35\text{kV}, 36.75\text{kV}, 38.5\text{kV}$

Low voltage side rated voltage: $0.27\text{kV}, 0.3\text{kV}, 0.315\text{kV}, 0.4\text{kV}$

Rated frequency: 50Hz

Phase number: three phase