

# **Uruguayan Photovoltaic Container Three-Phase Application in Steel Plants**





## Overview

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How does LZY's photovoltaic power plant work?

LZY's photovoltaic power plant is designed to maximize ease of operation. It not only transports the PV equipment, but can also be deployed on site. It is based on a 10 - 40 foot shipping container. Efficient hydraulics help get the solar panels ready quickly.

How to match PV power plants with steel plants?

The matching between the PV power plants and the steel plants follows the two-stage principle, prioritizing the EAF process steel plants to meet the power demand, and then allocating the remaining power resources to the BF-BOF process steel plants.

How to identify steel plants suitable for integration with photovoltaic power plants?

Analytic hierarchy process (AHP) is then used to identify the steel plants suitable for integration with photovoltaic power plants. The EDSAC evaluation model sets five assessment indicators: emission reduction effectiveness, distance effectiveness, supply effectiveness, anti-volatility effectiveness, and cost effectiveness.

What is a solarcontainer?

The Solarcontainer is a photovoltaic power plant that was specially developed as a mobile power generator with collapsible PV modules as a mobile solar system, a grid-independent solution represents. Solar panels lay flat on the ground. This position ensures maximum energy harvest Panels lays flat on the ground.



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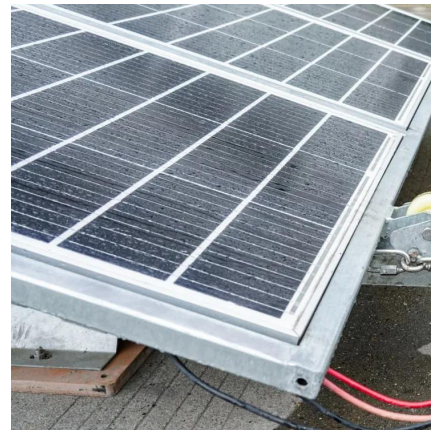


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Capacity Evaluation For Rooftop PV System  
Selection of PV Module Serial Number and Inverter  
Calculation of Power Generation  
Economic and Environmental Benefits Analysis  
The available roof area should be calculated first in order to determine the installed capacity of a rooftop PV power plant. Steel companies have a large number of production plants and other building roof resources, but not all plants are suitable for building rooftop PV power generation projects. For example, plants with high dust content are not See more on link.springer thesolarcontainer

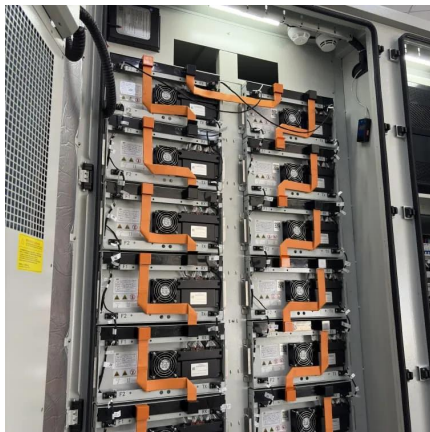
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