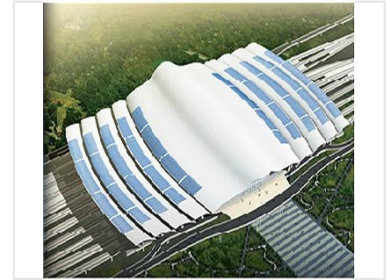


Railway Station Integrated 2.2MW Photovoltaic System

This system integrates a large-scale solar photovoltaic (PV) power generation system into a railway station's roof. With a 2.2MW capacity, it contributes to renewable energy generation and reduces the station's carbon footprint.



System Overview

Sustainable Railway Infrastructure

The Railway Station Integrated 2.2MW Photovoltaic System represents a landmark achievement in sustainable infrastructure, seamlessly embedding renewable energy generation into modern transportation architecture. By utilizing the expansive roof area of the Wuhan Railway Station, this 2.2MW installation maximizes sunlight capture to provide clean, renewable electricity directly for station operations. This integration significantly lowers reliance on conventional power sources and reduces the station's carbon footprint, demonstrating a scalable model for eco-friendly public transit facilities.

Total Capacity

2.2 MW

Power Output

Technical Details

Key System Components

- High-efficiency PV modules
- Grid-tie inverters
- Electrical transformers
- Grid connection equipment
- Advanced monitoring systems

Operational Integration

Roof-integrated, Grid-connected, On-site power consumption