

# Rooftop Solar Panel Array for Energy Conversion

This solar panel array is installed on a rooftop to capture solar energy. It integrates smart technologies for efficient energy conversion and grid integration.



## Overview

### Intelligent Rooftop Solar Array

This rooftop solar panel array is designed for large-scale energy conversion in industrial and commercial settings. By utilizing available rooftop space, it provides a distributed energy solution that integrates seamlessly with existing micro-grids. The system is engineered for long-term reliability, offering 25 years of operational life and significant energy savings.

## Technical Specifications

Total Capacity	31.5 MWp
Operational Lifespan	25 years

## Performance Metrics

### Projected Power Generation

**851.1 million KWh**  
Total Generation

### Environmental Impact

**13261 tons**  
Annual Coal Savings

## Application

Deployment Type	Rooftop Installation, Distributed Energy, Micro-grid Integration, Industrial Application
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