

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
-----------------	--