

Fresnel Solar Thermal Collector System

This system employs adjustable mirrors to focus sunlight onto a receiver tube. It is designed for thermal power generation in utility-scale solar plants.



Overview

High-Efficiency Solar Thermal Generation

The Fresnel Solar Thermal Collector System is engineered for utility-scale solar power generation, utilizing advanced mirror arrays to concentrate sunlight onto a centralized receiver tube. This system is designed for robust performance in large-scale solar thermal power plants, ensuring efficient heat transfer and reliable energy conversion. Its modular structure and adjustable mirror technology provide a scalable solution for sustainable, industrial-grade power generation.

Technical Specifications

System Type	Linear Fresnel Reflector
Primary Application	Utility-scale Power Generation, Solar Thermal Power Plants

Key Metrics

Core Components

- Adjustable mirror arrays
- Centralized receiver tube
- Steel support structure
- Insulated piping
- Heat transfer fluid circulation system