

Solar Water Heating System

This system utilizes solar collectors to absorb sunlight and transfer heat to a working fluid. An insulated storage tank maintains the water temperature, while a controller regulates system operation.



System Overview

Solar Thermal Efficiency

This advanced solar water heating system utilizes a split-system design, separating the solar collector panels from the storage tank for optimal installation flexibility and aesthetic integration. By capturing solar radiation through efficient flat-plate panels and storing heated water in an insulated tank, it provides a sustainable and reliable hot water solution. The integrated controller unit ensures precise management of heat transfer processes, maximizing energy savings while maintaining consistent performance.

Technical Specifications

Included Components

- Solar collector panels (2 units)
- Insulated storage tank
- Controller unit
- Plumbing accessories

Key Features

Solar Energy Efficiency • Heat Loss Mitigation • Temperature Monitoring

System Configuration

Split System, Flat-Plate Collector, Automated Control