

Flat Plate Solar Water Heater

This solar water heater features an integral heat absorption plate for enhanced thermal efficiency. Its full metal construction and high vacuum coating provide durability and effective insulation.



Overview

High-Efficiency Solar Thermal Solution

This flat plate solar water heater utilizes advanced magnetron sputtering coating technology to achieve market-leading thermal efficiency. Designed for seamless building integration, the unit features a durable, full-metal construction with an integrated frame and back cover. Built for longevity, it offers a 20-year service life and superior insulation properties compared to traditional mineral wool designs.

Performance Metrics

Thermal Efficiency

77 %

Initial Thermal Efficiency

95 %

Heat Absorption Rate

4.3 %

Firing Rate

Technical Specifications

Durability & Materials

- Copper pipe internal configuration for corrosion resistance
- 4mm thick tempered glass cover (4x stronger than standard glass)
- Aluminum backplane and frame for high structural strength
- Polyurethane integral foaming insulation
- High vacuum magnetron sputtering coating

Service Life

20 years

Installation & Design

Design Advantages

Building Integration Ready • Waterproof Function • Blue Coating Aesthetic • Integrated Stamping Molding

Installation Compatibility

Roof-mounted, Tile-roof compatible, Building integrated, Balcony installation