

Pressurized Solar Water Heater with Pre-heating Coil

This solar water heater uses a copper coil as the heat exchanger. It takes advantage of tap water pressure for easy operation and installation.



Overview

High-Efficiency Pressurized Solar Thermal System

This pressurized solar water heater features an integrated copper preheating coil designed for enhanced thermal efficiency and reliable hot water delivery. The system utilizes high-borosilicate 3.3 vacuum tubes with AL/N/AL selective absorption coating to maximize solar gain. Engineered for durability, the unit incorporates an SUS304-2B stainless steel inner tank and a robust color steel outer shell, ensuring long-term performance in both residential and commercial settings.

Technical Specifications

Evacuated Tube Size	58mm x 1800mm
Material Composition	SUS304-2B Stainless Steel, High Borosilicate 3.3 Glass, Polyurethane Foam Insulation, Galvanized Steel Bracket

Performance Data

System Performance Metrics

Tube Count	Collecting Area	Copper Coil Length
15	1.92j	24m
20	2.60j	26m
24	3.12j	28m
30	3.90j	30m

Estimated Service Life

15 years

Service Life

Construction Details

Insulation Thickness	55 cm
Inner Tank Thickness	1.2 mm