

# 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