Non-Pressurized Solar Water Heater with Vacuum Tubes

This non-pressurized solar water heater uses vacuum tubes to efficiently convert sunlight into heat. The system is designed for simple installation, with the collector and tank directly connected for natural thermosyphon circulation.

ADDITIONAL IMAGES

Product Overview

Compact Thermosyphon Solar Water Heater

This non-pressurized solar water heater utilizes a simple, efficient thermosyphon circulation system to provide hot water. Designed for affordability and ease of maintenance, it directly connects the solar collector to the water tank without the need for pumps. The system features advanced vacuum tube technology for high photo-thermal conversion efficiency, making it an ideal sustainable solution for residential applications.

Technical Specifications

Inner Tank Material	SUS304-2B Food Grade Stainless Steel (Optional: SUS316L)
Outer Tank Material	SUS304-2B Stainless Steel
Insulation Thickness	55 mm
Heat Preservation	72 hours
Bracket Angle Options	20°, 30°, 45°

Performance & Durability

Key Features

- Economical design for broad accessibility
- Simple thermosyphon circulation
- No pump required
- High photo-thermal conversion efficiency
- Easy maintenance

Hail Resistance	25 mm

Components

Vacuum Tube Specifications

Component	Material/Detail
Tube Material	Borosilicate glass 3.3
Absorber Coating	AL-SS-CU
Seal Material	Stabilized High Temperature Silicon