

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

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|-----------------------|--|
| 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 |