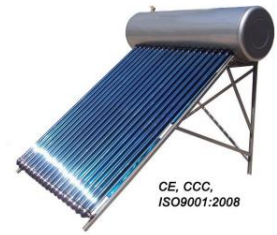


# High Pressure Solar Water Heater with Heat Pipe Tubes

This high-pressure solar water heater uses heat pipe solar tubes for efficient heat transfer. It maintains high thermal performance even in winter, with heat collecting efficiency significantly above common solar systems.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency Pressurized Solar Heating

This compact, high-pressure solar water heater utilizes advanced heat pipe technology to deliver rapid and reliable hot water, even in low-radiation or cloudy conditions. Designed for durability and performance, the system operates effectively in temperatures as low as  $-30^{\circ}\text{C}$ , preventing freezing and water scale buildup. With a maximum pressure capacity of 0.6 MPa, it integrates seamlessly with standard water supply systems for a consistent, high-pressure washing experience.

## Performance & Efficiency

### Heat Collecting Efficiency

**55 %**

Thermal Exchange Rate

**20 %**

Efficiency Gain vs Common Systems

### Operating Conditions

- Minimum operating temperature:  $-30^{\circ}\text{C}$
- Maximum system pressure: 0.6 MPa
- Suitable for mains pressure water up to 6 bar

## Technical Construction

### Material Specifications

Component	Material
Inner Tank	1.2mm SUS304 Stainless Steel (Optional SUS316L)
Outer Tank	SUS304 Stainless Steel or Powder Coated Color Steel
Vacuum Tube	Borosilicate Glass 3.3 with AL-SS-CU coating
Frame	1.2mm Stainless Steel
Insulation	55mm Polyurethane
Seals	Stabilized High Temperature Silicon

## Certifications

### Compliance & Standards

CE • CCC • ISO 9001:2008