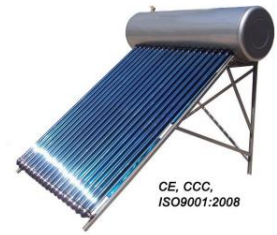


High Pressure Solar Water Heater with Heat Pipe Tubes

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°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°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