High Pressure Solar Water Heater

This high-pressure solar water heater uses heat pipe technology with a pressurized tank. It provides efficient heating, even in cold climates, and connects to water taps with a maximum pressure of 0.6Mpa.

ADDITIONAL IMAGES

Product Overview

High-Efficiency Pressurized Solar Heating

This high-pressure solar water heater is a modern, reliable solution designed for consistent hot water delivery. Utilizing advanced heat pipe vacuum tube technology, it achieves superior thermal efficiency even in cloudy conditions or low radiation environments. The system is engineered for durability and safety, featuring a pressurized tank that supports mains pressure and built-in protection mechanisms to prevent freezing and overheating.

Performance Metrics

Heat Exchanging Rate

55 %
Average Daily Efficiency

Operating Temperature Range	Down to -30°C
Maximum Working Pressure	0.6 MPa

Technical Specifications

Tank Construction

Component	Material
Outer Tank	SUS304 Stainless Steel or Powder Coated Color Steel
Inner Tank	1.2mm SUS304 Food Grade Stainless Steel (Optional SUS316L)

Vacuum Tube Specifications

- Material: Borosilicate glass 3.3
- Coating: AL-SS-CU absorb coating
- Internal Component: Copper heat pipe

Insulation Thickness	55 mm
Frame Material	1.2mm Stainless Steel

Features

System Advantages

Pressurized System • Anti-Freeze Protection • Scale Prevention • Easy Installation • P/T Valve Safety