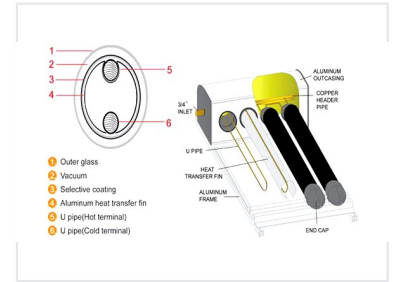


U-Pipe Solar Collector

This solar collector uses U-pipes to efficiently transfer heat. It consists of a vacuum tube and heat transfer system.



Product Overview

High-Efficiency Solar Heating

The U-Pipe Solar Collector is an advanced thermal energy solution designed for high-efficiency water heating. It utilizes a sophisticated system comprising all-glass vacuum tubes, a heat transfer cycle, and a robust aluminum frame. By employing direct flow-through U-pipes connected to a header pipe, the system maximizes heat transmission from solar radiation into the transfer fluid.

Technical Construction

Primary Components

- All-glass vacuum tube
- Heat transfer system (solar cycle)
- Aluminum frame
- Copper header pipe
- Aluminum heat transfer fin

Materials and Transfer Efficiency

Copper, Aluminum, Selective sputter layer, Vacuum insulation

Operating Specifications

Inlet/Outlet Connections

3/4 inch connection • Hot terminal • Cold terminal

Flow Characteristics

Direct flow-through U-pipe design

Heat Transfer Method

360-degree aluminum heat transfer fin