

Large Solar Collector for Space Heating

This high-capacity solar collector is designed for space heating applications. The robust unit efficiently captures solar energy and converts it into heat, making it suitable for integration into heating systems.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Solar Heating Solution

This large-scale solar collector is engineered for high-capacity space heating, offering an impressive instantaneous efficiency intercept of 0.8. Designed specifically for performance in cold climates, it maintains high efficiency even with significant temperature differentials. Its monolithic design simplifies installation while maximizing energy absorption for residential and commercial applications.

Performance Metrics

Efficiency Ratings

0.8

Efficiency Intercept

66.1 %

Measured Efficiency

3.3 W/(m²*K)

Heat Loss Coefficient

Technical Specifications

Operating Temperatures

Parameter	Temperature
Inlet Temperature	30 °C
Outlet Temperature	90 °C

Single Unit Area

10 m²

Design Features

Heat Retention Design

- Double cover plate for reduced heat loss
- Super thick insulation layer
- Reduced relative surface area per unit
- Monolithic array formation to eliminate small connections

Durability & Maintenance

Environmental Resistance

Severe Cold Resistant, Snow Melting, Frost Resistant, Maintenance-Free

Installation

Installation Advantages

Fast Assembly • Reliable Sealing • Modular Array