

Flat Plate Solar Thermal Collector

This flat plate solar thermal collector is designed for efficient solar energy absorption and heat transfer. It is suitable for both residential and commercial applications, providing efficient water and space heating solutions.



Overview

High-Efficiency Solar Thermal Solution

This flat plate solar thermal collector is engineered for maximum solar energy capture, featuring a high-performance absorber plate with selective black chrome coating. Its robust aluminum full-plate construction utilizes laser welding to ensure durability and long-term reliability. Specifically optimized for dry and hot climates, this system provides an efficient solution for residential and commercial water and space heating needs.

Performance Metrics

Absorption Rate

95 %

Absorption Rate

Emittance Rate

11 %

Emittance Rate

Technical Construction

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|-------------------|-----------------------------|
| Absorber Material | Aluminum full plate |
| Welding Method | Laser welding |
| Coating Type | High selective black chrome |

Application Suitability

Primary Use Cases

- Residential water heating
- Commercial water heating
- Space heating

Optimized Climate Zones

Dry Areas, Hot Areas