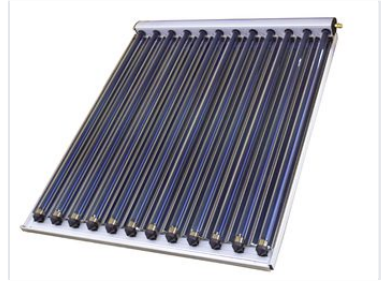


# CPC U-Pipe Solar Collector for High-Temperature Applications

This CPC U-pipe solar collector is designed for high-temperature solar thermal applications, capable of heating water up to 130°C. It is suitable for industrial process heating, hotels, hospitals, solar cooling, and steam generation.



## Overview

### High-Performance Solar Thermal Solution

The CPC U-pipe solar collector is a vacuum tube system engineered for high-temperature applications, capable of heating water up to 130°C. Utilizing European CPC reflector technology, this collector maximizes energy yield even in cloudy or winter conditions, significantly reducing reliance on traditional backup energy sources. Its pre-assembled design ensures rapid installation, making it an ideal choice for industrial process heating, hotels, hospitals, and solar cooling systems.

## Performance Metrics

### Key Performance Metrics

<b>130 °C</b> Max Water Temp	<b>272 °C</b> Stagnation Temp	<b>10 bar</b> Max Working Pressure	<b>64.2 %</b> Absorption Rate
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## Physical Specifications

### Dimensions and Surface Area

Metric	Value
Grid Dimensions (L x H x D)	1390 x 1640 x 100mm
Gross Surface Area	2.28 m <sup>2</sup>
Aperture Area	2 m <sup>2</sup>

### Evacuated Tube Details

- Number of tubes: 12
- Tube length: 1500mm
- Outer diameter: 47mm
- Inner diameter: 37mm
- Wall thickness: 1.6mm

## Certifications & Compatibility

Certifications	European Solar Keymark
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## Installation & Connectivity

### Connections

**15 mm**

Compression Fitting

**6 mm**

Sensor Sleeve