

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

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



## Product Overview

### High-Efficiency Solar Thermal Solution

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

## Technical Specifications

Gross Surface Area	5.01 m <sup>2</sup>
Aperture Area	4.46 m <sup>2</sup>
Number of Evacuated Tubes	21
Absorption Rate	64.2 %
Max. Working Pressure	10 bar
Max. Stagnation Temperature	272 °C

## Dimensions & Installation

Grid Dimensions (L x H x D)	2420 x 2050 x 100mm
Connection Diameter	15 mm
Sensor Sleeve Diameter	6 mm

## Tube Construction

### Glass Tube Details

Parameter	Value
External Diameter	47mm
Internal Diameter	37mm
Wall Thickness	1.6mm
Tube Length	1920mm

## Certifications & Features

### Certifications

European Solar Keymark

### Suitable Applications

Industrial Process Heating, Hotels, Hospitals, Solar Cooling, Steam Generation

## Key Metrics

### Performance Highlights

**130 °C**

Max Output Temperature

**272 °C**

Max Stagnation Temp