



## Overview

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Shuman built the world's first solar thermal power station in Maadi, Egypt between 1912 and 1913. Shuman's plant used parabolic troughs to power a 45-52 kilowatt (60-70 hp) engine that pumped more than 22,000 litres of water per minute from the Nile River to adjacent cotton fields. Overview A parabolic trough collector (PTC) is a type of that is straight in one dimension and curved as a in the other two, lined with a polished metal. The which enters the mirror parallel to it.

## Trough solar thermal power station

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### What does Trough mean?

In geology, a trough generally refers to a linear structural depression that extends laterally over a distance, while being less steep than a trench. A trough can be a narrow basin or a geologic rift.

### Power Plant Listing

Following is a list of Power Plants Listed in alphabetical order. Please use the filters on sidebar to refine the list based on technology used by the power plant and



### [Trough Definition & Meaning . YourDictionary](#)

Trough definition: A gutter under the edge of a roof for carrying off rainwater.

### [10.2. Parabolic Trough Collector Systems , EME 811:](#)

Parabolic trough technology is the most widespread among utility-scale solar thermal plants. The potential of this type of concentrating collectors is very high



### trough

trough: A long, narrow, generally shallow receptacle for holding water or feed for animals.

## Solar explained

Concentrating Solar Thermal Power Plants  
Linear Concentrating Systems  
Solar Power Towers  
Solar Dish-Engines  
There are three main types of concentrating solar thermal power systems: 1. Linear concentrating systems, which include parabolic troughs and linear Fresnel reflectors 2. Solar power towers 3. Solar dish/engine systems  
See more on [eia.gov](http://eia.gov)  
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Department of Energy



## Parabolic Trough - Department of Energy

DOE funds solar research and development (R&D) in parabolic trough systems as one of four concentrating solar power (CSP) technologies aiming to meet the



## TROUGH Definition & Meaning , Dictionary

TROUGH definition: a long, narrow, open receptacle, usually boxlike in shape, used chiefly to hold water or food for animals. See examples of trough used in a sentence.

## [TROUGH , definition in the Cambridge English Dictionary](#)

Flour, water, shortening and yeast are mixed and set aside in a large trough where it rises and develops flavor.



## Stock Tanks at Tractor Supply Co.

Round Galvanized Steel Stock Tank, 6 ft. x 2 ft.  
CountyLine 40 gal. Oval Galvanized Stock Tank, 2 ft. x 4 ft. x 1 ft. Behlen Country 1,117 gal.

Galvanized Round Tank, 10 ft. Rubbermaid BRUTE 100 gal.

### [TROUGH definition and meaning , Collins English Dictionary](#)

A trough is a long narrow container from which farm animals drink or eat. The old stone cattle trough still sits by the main entrance.



### [Concentrated Solar Thermal Power Technology and Its](#)

The full name of this system is the parabolic trough solar thermal power system, which typically consists of a concentrating collector, a heat

### [Parabolic Trough Solar Thermal Electric Power Plants \(Fact](#)

Parabolic trough power plants use concentrated sunlight, in place of fossil fuels, to provide the thermal energy required to drive a conventional power plant.



### **trough noun**

Definition of trough noun in Oxford Advanced Learner's Dictionary. Meaning, pronunciation, picture, example sentences, grammar, usage notes, synonyms and more.

### **Parabolic Trough Plant**

Parabolic trough plants are a type of concentrated solar power technology that utilize

large arrays of parabolic mirrors to focus sunlight onto a linear receiver pipe, where a heat transfer fluid is heated



### [How CSP Works: Tower, Trough, Fresnel or Dish](#)

In a parabolic trough CSP system, the sun's energy is concentrated by parabolically curved, trough-shaped reflectors onto a receiver pipe - the heat absorber tube -

### **trough**

Noun trough (plural troughs) A long, narrow container, open on top, for feeding or watering animals.



### **TROUGH Definition & Meaning**

The meaning of TROUGH is a long shallow often V-shaped receptacle for the drinking water or feed of domestic animals. How to use trough in a sentence.

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