

Overview

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



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
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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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