

# How much does it cost to invest in an outdoor power plant





## Overview

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Scale & Capacity: Benchmark costs range from \$1,000 to \$3,000 per kW for plant installations. Material & Labor Costs: Fluctuations can alter budgets by 15-25%. How much does it cost to build a power plant?

Civil build including all utility connections grid gas water and drains small power and lighting site completed 3-4 million pounds. Power plant with gross output of circa 4.5 MWe will cost in the region of 12-13 Million depending on final design and spec and commodity costs at the time of order.

Where can I find information on the cost of a power plant?

Two valuable sources for gathering accurate information on the cost of power plant are the US Energy Information Administration (EIA) and Lazard, a leading financial advisory and asset management company. In April 2023 Lazard published its Levelized Cost of Energy Analysis - Version 16.

How much does a nuclear power plant cost?

(See OWOE: What is carbon capture and storage (CCS)?

) \*\* the upper cost for a nuclear plant is based on information for the most recent facility under construction in the US (Plant Vogtle - approximately \$30 billion for 2 reactors at 1117 MW each. (See OWOE: What does it cost to build a nuclear power plant?

).

How important is capital cost to build a plant?

Although critical to the decision process, capital cost to build a plant is only one of the key input values needed to decide which type of plant should be built at any given time and location.



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The typical cost of building a solar power plant is between \$0.89 and \$1.01 per watt. A 1MW (megawatt) solar farm can cost you between \$890,000 and \$1.01 million.

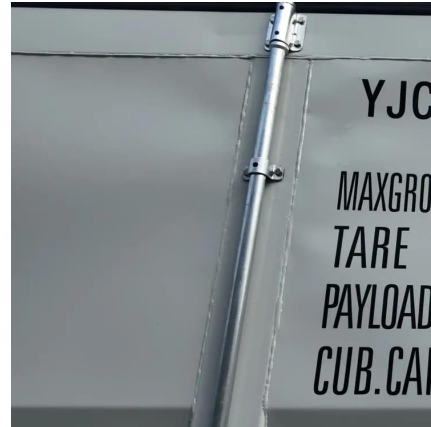


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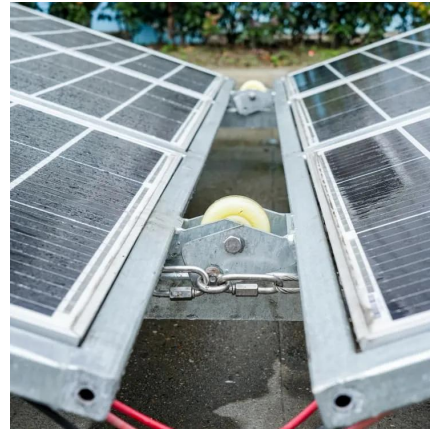
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The cost of a new power plant varies widely by the technology used, and since cost of technology is a constantly changing variable, cost must be revisited regularly.

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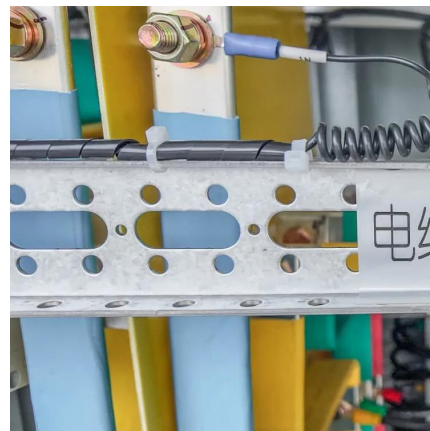


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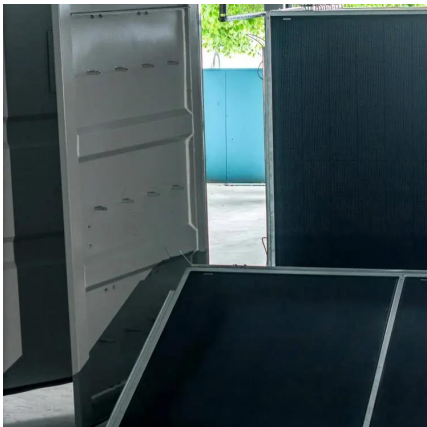
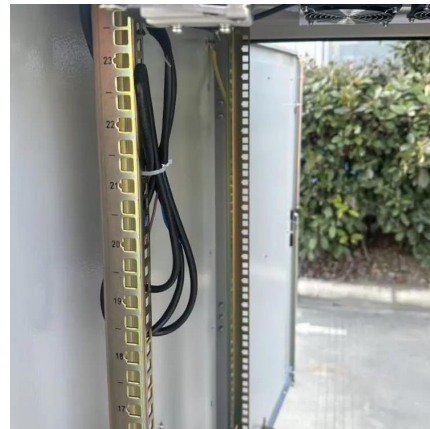


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