

## ContainerPower Energy Solutions

# Solar power system parity



## Overview

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It refers to the point at which the cost of generating electricity from solar energy becomes equal to or lower than the cost of obtaining electricity from the traditional power grid. In other words, it's when solar energy becomes as affordable as conventional sources of electricity.

This interactive grid parity map compares the cost of solar energy with current utility rates in each U.S. state. Users can change the cost of solar panels and see the impact. What is grid parity in solar energy?

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Can solar power be incorporated into our own path to grid parity?

Fast forward 15 years and we can see the results. Today they have much higher residential grid electricity prices which in turn has made solar power much more attractive. Reaching grid parity is vital to the US, so it makes sense to look at the German model to see how it could be incorporated into our own path to grid parity.

Is solar PV cost-competitive?

In some locations, PV has reached grid parity, the cost at which it is competitive with coal or gas-fired generation. More generally, it is now evident that, given a carbon price of \$50/ton, which would raise the price of coal-fired power by 5c/kWh, solar PV will be cost-competitive in most locations.

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