

## **SolarInnovate Energy Solutions**

# **Berlin s new outdoor power supply**



## Overview

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Will Berlin be able to use solar energy?

The plan is to shift Berlin's electricity and heat supply increasingly to solar energy over the coming decades. Although there are a lot of surfaces available, the number of new installations of such systems has recently been declining. Find existing solar systems and potential for expansion here. More information.

Does Berlin use fossil fuels?

In Berlin, electricity and heating are largely generated using fossil fuels. Discover here, for example, which parts of the city house the plants with the highest CO<sub>2</sub> emissions or which areas are supplied with district heating. The plan is to shift Berlin's electricity and heat supply increasingly to solar energy over the coming decades.

What is the power output of a Berlin district heating plant?

The plant will have an electrical output of about 270 MW with a simultaneous thermal extraction of 230 MW and thus represents the backbone for the district heating supply in the eastern part of Berlin.

How often do Berlin residents lose their power supply?

We have put together an overview of the key facts, figures and dates on our company, our work and the city of Berlin. Statistically, each Berlin resident will only lose their power supply once every five years. If there is an outage, however, a disruption will last an average of 50 minutes before the energy is flowing again.

Does Berlin use CO<sub>2</sub>?

Berlin is the first German federal state to complete the phase-out of brown coal and use only low-CO<sub>2</sub> energy sources for all new construction projects. Starting in 2020, the new plant in Berlin-Marzahn will supply environmentally

friendly district heating and electricity from combined heat and power (CHP) for around 150,000 residential units.

Why do we need a district heating plant in Berlin?

In fact, we have around 1.5 million district heating users in the capital who want to be supplied efficiently as needed in the future as well. The plant here in Marzahn is an important location for the eastern part of Berlin for the district heating supply.

## Berlin s new outdoor power supply

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