ENERGIEWENDE JETZT
Bürger*innen machen Energie

Rheinberg
natürlich niederrheinisch

solocal energy

Balcony power plants – generate your own solar power!

With solar modules on the balcony, we can all generate energy quickly and easily!

Who is a balcony power plant suitable for?

If you live in a flat or don't have a roof for a large solar system, you can quickly and easily produce your own solar power with 1-2 photovoltaic modules. The balcony power plant can be hung on the balcony railing or placed on a garage roof, for example. You can also take the balcony power plant with you when you move.

Can I just install it like that?

You should ask your landlord first. But you now have a right to a balcony power plant – this is called a 'privileged measure'. You just need to agree on the 'how'. You should talk to your neighbours if your photovoltaic module shades their balcony, for example. Most liability or household insurance policies also cover balcony PV systems: just ask.

How much can I save?

With a 'normal' orientation, a photovoltaic module generates 250-350 kWh of solar power per year. With optimal orientation, it can be up to 400 kWh. This saves around 50 to 100 Euro in electricity costs per year – and around 125 kg of CO2. This is because the electricity generated by the balcony power plant is used in your household, e.g. for the refrigerator or the internet router.

Do I need a special socket for this?

The balcony power plant must be connected to the mains in any case. It is possible and safe to use a normal (so-called 'Schuko') socket.

Do I need a qualified electrician for the installation?

The module can and may be installed by laypeople. However, if you do not yet have an outdoor socket, you will need a qualified electrician.

EPOS
Energiewende & Gender

Gefördert durch:
Bundesministerium für Wirtschaft und Energie
aufgrund eines Beschlusses des Deutschen Bundestages

Are balcony power plants safe?

If they are installed in a storm-proof manner: yes. The inverter only supplies electricity when the plug is plugged into the socket. The Schuko plug can be touched safely 0.2 seconds after being unplugged. The inverter has a power output of 800 watts and therefore places hardly any strain on the power lines. By way of comparison, a kettle has a power output of 1000 to 1500 watts.

06.10.2025

Gefördert durch:
Bundesministerium für Wirtschaft und Energie
aufgrund eines Beschlusses des Deutschen Bundestages