

## ContainerPower Energy Solutions

# Slovakia 15v solar panel power generation



 **LFP 48V 100Ah**



## Overview

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What is the technical potential of solar energy in Slovakia?

The solar radiation flux achieves a maximum of 1,100 kWh/m<sup>2</sup>. The technical potential of solar energy has been estimated at 5,200 GWh annually, which is about 20 % of the total technical potential of renewable power sources in Slovakia. There is growing demand for supply of photovoltaic power plants and solar panels for installations on roofs.

Who is Slovak solar?

Slovak Solar s.r.o. is a leading photovoltaic wholesaler in Slovakia, Czech Republic and Austria, with a vision to create a sustainable energy future. We started our journey in 2009 with the main idea – to provide companies specialised in the installation of solar systems with access to first-class photovoltaic products, all from one place.

Why should you choose Slovak solar?

At Slovak Solar, we believe that progress comes from constant innovation. From day one, we've been breaking new ground in Slovakia's solar energy sector. We were one of the first company in Slovakia to install Building-Integrated Photovoltaics (BIPV).

How much electricity is produced in Slovakia?

Approximately 54.7 % of the total production of 27,149 GWh of electricity in Slovakia was obtained from nuclear power stations, 21 % from conventional power stations, 14.4 % from hydro stations and 8.9 % from renewable sources. The total potential of renewable sources that Slovakia plans to utilize is approximately 27,000 GWh per year.

What is the geothermal potential in Slovakia?

Geothermal potential in Slovakia is approximately 6,300 GWh per year, but currently only 145 GWh are being used, which is only 2.6 % of the total

potential. Geothermal waters in Slovakia are being used at 64 locations (with a heating capacity of 280 MW) but more need to be built to heat networks, swimming pools, greenhouses and residences.

What is BIPV & how does it work in Slovakia?

From day one, we've been breaking new ground in Slovakia's solar energy sector. We were one of the first company in Slovakia to install Building-Integrated Photovoltaics (BIPV). We led the way with the first-ever 400kWh Battery Backup System, even before container-based battery systems became mainstream.

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