

# **Bulgaria Solar Power Plant System**





## Overview

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How big is Bulgaria's solar power?

In a matter of months, Bulgaria's total solar power capacity is set to exceed 3 GW, compared to just 1.3 GW at the end of 2021. The lineup in the list of the largest photovoltaic plants is changing almost every week as major facilities come online, and there is more in the pipeline.

Are solar panels a viable option for self-consumption in Bulgaria?

Conversely, households and institutions interested in installing solar panels for self-consumption are still stuck with administrative hurdles. In the statistics of the International Renewable Energy Agency (IRENA), Bulgaria had 1.28 GW at the end of 2021 and 1.95 GW just one year later. The measure is expressed in nominal or peak capacity.

Who provides electricity in Bulgaria?

Electricity is supplied by three main providers: CEZ, E.ON and EVN. Each company targets a specific area of the country- the west, north-east and south-east respectively. The electricity supply in Bulgaria is delivered to homes at 220/240 volts (V) with a frequency of 50 Hertz (Hz).

What is the largest solar power plant in Bulgaria?

After Verila, the largest unit is Tera Sol, at 111.6 MW in nominal terms (100 MW). Project firm C Solar energy was established by CSOL invest, a subsidiary of Georgi Zlatarev's C Energy Group. The photovoltaic park was built last month on almost 120 hectares in the vicinity of the village of Hrishteni near Stara Zagora.



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For the first time in Bulgaria, solar energy has surpassed ...

Jun 24, 2025 · For the first time, electricity production from solar energy has exceeded consumption in the Bulgarian power system -- for two hours on 20 June 2025. This is shown ...

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Solaris Holding Commissioned a New Hybrid ...

/SOFIA, BULGARIA, June 27, 2025, 11:30 CET, RENEWABLE MARKET WATCH(TM)/ Solaris Holding AD, a joint venture between the Bulgarian ...

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Sunterra RE equips its PV plants in Bulgaria with batteries ...

Oct 3, 2025 · Bulgarian solar power plant operator Sunterra RE added co-located energy storage to its operational portfolio. The company's three photovoltaic systems, with 524 MW in ...

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SUNTERRA is the biggest owner and operator ...

726,181 units of latest-generation solar panels were installed in the solar fields. The realization of these investments has placed SUNTERRA in a ...

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Sunterra RE equips its PV plants in Bulgaria ...

Oct 3, 2025 · Bulgarian solar power plant operator Sunterra RE added co-located energy storage to its operational portfolio. The company's three ...

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Bulgaria enjoys solar boom as biggest photovoltaic parks ...

Aug 31, 2023 · Biggest solar power plants in Bulgaria Three months ago, Eurohold commissioned its Verila solar power plant of 123 MW in nameplate capacity and a 100 MW connection, the ...

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Bulgaria Experiences Solar Boom as Large ...

Sep 3, 2023 · The Bulgarian solar energy sector is witnessing a remarkable transformation as the country's solar power capacity surges past ...

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Solaris Holding Commissioned a New Hybrid Solar ...

/SOFIA, BULGARIA, June 27, 2025, 11:30 CET, RENEWABLE MARKET WATCH(TM)/ Solaris Holding AD, a joint venture between the Bulgarian-German company SUNOTEC and the ...

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SUNTERRA is the biggest owner and operator of solar power plants ...

726,181 units of latest-generation solar panels were installed in the solar fields. The realization of these investments has placed SUNTERRA in a leading position in Bulgaria and among the ...

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BULGARIA AND ITS PLACE ON THE SOLAR ENERGY MAP

What should Bulgaria do about solar energy? The authorities in Bulgaria need to take steps to systematically reduce barriers, fees, and surcharges on small and medium-sized solar PV ...

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New hybrid PV plant from Solaris strengthens ...

Nov 19, 2025 · The new solar generator in Oryahovo combines over 100,000 PV modules with 107 MWh of energy storage, supporting energy trading ...

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PPC Group launches 165 MW solar plant in Bulgaria

Mar 18, 2025 · PPC Group will strengthen its presence in the Bulgarian energy market with the construction of a new 165 MW photovoltaic plant equipped with a battery storage system.

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Top five solar PV plants in operation in Bulgaria

Sep 9, 2024 · Of the total global solar PV capacity, 0.20% is in Bulgaria. Listed below are the five largest active solar PV power plants by capacity in Bulgaria, according to GlobalData's power ...

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New hybrid PV plant from Solaris strengthens Bulgaria's grid

Nov 19, 2025 · The new solar generator in Oryahovo combines over 100,000 PV modules with 107 MWh of energy storage, supporting energy trading and strengthening Bulgaria's power ...

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Bulgaria Experiences Solar Boom as Large Photovoltaic Parks ...

Sep 3, 2023 · The Bulgarian solar energy sector is witnessing a remarkable transformation as the country's solar power capacity surges past expectations, with the biggest photovoltaic parks ...

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