SolarMicrogrid Solutions

Bulgarian bifacial solar panels

Overview

Which solar panels are bifacial?

The panels are bifacial. 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.

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.

How to choose bifacial or monofacial solar panels?

You should consider the following factors when choosing between the two types (monofacial solar panels, which have dominated the Indian residential solar market for decades, or the bifacial solar panels that are comparatively new, a lot more advanced, and much more efficient than monofacial solar panels): What's your budget?

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What is bifacial solar energy?

The concept was introduced as a means of increasing the energy output in solar cells. Efficiency of solar cells, defined as the ratio of incident luminous power to generated electrical power under one or several suns (1 sun = 1000W/m ^{2}), is measured independently for the front and rear surfaces for bifacial solar cells.

Which bifacial PV modules are available?

Various bifacial PV modules with different architectures for their BSCs are currently available in the PV market. These include Passivated Emitter Rear Contact (PERC), Passivated Emitter Rear Locally-diffused (PERL), Passivated Emitter Rear Totally diffused (PERT), Heterojunction with Intrinsic Thin-layer (HIT), Interdigitated Back Contact (IBC).

Bulgarian bifacial solar panels

Eco Worthy Bifacial 195 Watt 12 Volt 12bb Solar Panel

With a robust 23% conversion rate and innovative 12BB technology, this panel maximizes energy output while ensuring durability against harsh weather conditions. Its bifacial design allows for ...

Product Information

JinkoSolar Delivers TOPCon Bifacial Modules to the Largest ...

The Verila project will become not only a Bulgarian benchmark, but also a Pan-European one for renewable energy transition. It is one of the largest projects ever built in Europe using ...

Product Information

JinkoSolar delivers 220,000 TOPCon modules to ...

The Verila Solar Power Plant in Bulgaria, the country's largest solar project, will be powered by over 220,000 Tiger NEO TOPCon bifacial 72 modules. This ...

Product Information

Eco Worthy Bifacial 195 Watt 12 Volt 12bb Solar Panel , Desertcart Bulgaria

With a robust 23% conversion rate and innovative 12BB technology, this panel maximizes energy output while ensuring durability against harsh weather conditions. Its bifacial design allows for ...

Product Information

High-quality, high efficiency PV modules, made with ...

The efficiency of a solar system is influenced by sunlight exposure, shading, panel orientation, and temperature. Choosing high-quality panels and proper ...

Product Information

Bi-facial photovoltaic panel?

Thanks to their ability to capture light from both sides, they can generate up to 30% more energy compared to single-sided panels. This leads to a faster return on investment and reduced ...

Product Information

Bulgaria enjoys solar boom as biggest photovoltaic parks come ...

In the last two years, the combined nameplate size of solar power installations in Bulgaria has doubled to more than 2.4 GW and additions peaked this summer. Moreover, in ...

Product Information

What are bifacial solar panels?

Solar panel type: Monocrystalline panels deliver the highest efficiency, while polycrystalline panels are slightly less effective. Mounting height: Elevating your bifacial panels ...

Product Information

JinkoSolar Delivers TOPCon Bifacial Modules to the Largest ...

JinkoSolar Holding Co., Ltd. today announced that it has delivered more than 220,000 Tiger NEO bifacial 72 modules to the 123 MW Verila Solar Power Plant in Bulgaria.

Product Information

Bulgaria: Topcon bifacial modules for 123 MW PV park

Jinko Solar has delivered more than 220,000 Tiger NEO bifacial 72 modules to the 123 MW Verila Solar Power Plant in Bulgaria. The Verila plant is Bulgaria's largest PV project ...

Product Information

7 Best Bifacial Solar Panels for Sale in 2025 for Every ...

Looking for the best bifacial solar panels for sale in 2025? You're in the right place. Bifacial panels are gaining popularity for their ability to ...

Product Information

[JinkoSolar delivers 220,000 TOPCon modules to Bulgaria](#)

The Verila Solar Power Plant in Bulgaria, the country's largest solar project, will be powered by over 220,000 Tiger NEO TOPCon bifacial 72 modules. This milestone marks a crucial step in ...

[Product Information](#)

Bifacial Solar Panel Guide + Insight Into 'Bifacialize' & 'Bifaciality'

Maximize production with bifacial solar panels! Understand their benefits, installation considerations & bifaciality in our in-depth guide.

[Product Information](#)

Bifacial solar cells

A bifacial solar cell (BSC) is any photovoltaic solar cell that can produce electrical energy when illuminated on either of its surfaces, front or rear. In contrast, monofacial solar cells produce ...

[Product Information](#)

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