

Where can I get a solar power system in Anchorage?

Anchorage (907) 561-7941 Wasilla (907) 707-1110 Fairbanks (907) 458-8000 Renewable Energy Systems provides on-grid and off-grid systems to help you lower your electric bill and use responsible, sustainable energy sources. Grid-Tie Solar energy panels, Back-Up Power Kits, Cabin and RV/boat power kits. Fully licensed electricians on-staff.

How efficient are solar panels in Alaska?

Most panels have a 15-20% efficiency, but there are some popular brands exceeding 21%. High efficiency is a key consideration for most folks in Alaska because it will help maximize your energy generation in low-light conditions, which are common in many places in Alaska. Generally, it's recommended that Alaska households aim for 20%+

How do I choose a solar panel installer in Alaska?

It can be beneficial to ask for references, find out how long they've been installing panels, and confirm their certifications. In some parts of Alaska, you might only have one option for an installer, or you might even need to have someone come into your community from somewhere else.

What wattage should a solar panel produce in Alaska?

Generally, it's recommended that Alaska households aim for 20%+ The wattage, capacity, or solar output is the amount of direct current (DC) electricity the panel produces under standard conditions. Higher wattage panels generate more electricity. Most recommended panels generate between 350 Watts to 450 Watts.

Why should you choose a solar panel in Alaska?

Higher efficiency means more electricity. Most panels have a 15-20% efficiency, but there are some popular brands exceeding 21%. High efficiency is a key consideration for most folks in Alaska because it will help maximize your energy generation in low-light conditions, which are common in many places in Alaska.

Do solar panels save money in Alaska?

Yes. There is some variance throughout the state, but due to high energy costs in Alaska, folks will generally end up saving money by installing solar on their roof. Despite lower solar potential than many other major cities in the U.S., Fairbank's high energy costs put the potential savings from solar fairly high in the rankings.

Before factoring in any financial incentives, the average cost to install solar panels is \$12,050 to \$24,100 in Alaska. That price drops to \$8,435 ...

As of 2025, the average cost of solar panels in Alaska is \$3.14 per watt, making a typical 7.2 kilowatt (kW) solar system \$15,826 after claiming the 30% federal solar tax credit now ...

Energy efficiency: Alaska, with its remote location and high energy costs, is a prime location for solar power.

Solar power systems can help you save money on your electricity bills.

Solar Power in Alaska. As of the year 2022, solar Alaska came in at number 49 in the entire nation. That is understandable, especially considering the geography of the region. While 121 days on average doesn't even come close to the ...

Depending on where you reside, solar rebates and incentives may be available. If you purchase a solar system, you may be able to take advantage of the federal investment tax credit (ITC), ...

Why you should install solar panels and batteries, how well does solar power work in Alaska, how to pay for your solar panels and batteries, and how to get started adding solar panels to your roof.

Alaska Energy Authority and the Alaska Center for Energy and Power both collect data on solar installed capacity around the state, but datasets are unlikely to ever be comprehensive. ...

Finally, ATSFA's Community Solar program, administered by the Alaska Native Tribal Health Consortium, will create an equity-based program to build community scale solar and battery ...

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Energy Independence: Solar systems reduce dependency on grid power, offering energy autonomy; Unique Net Metering Policies: Alaska's net metering policy allows homeowners to offset their electricity costs by feeding ...

In this article, we will discuss some factors you should consider when deciding to go solar in Alaska. 1. Solar Insolation and Latitude. The effectiveness of solar systems depends on the amount of sunlight they receive, known as solar ...

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Typical homes demand a large amount of fuel year-round for domestic hot water, so using the sun to heat water for even seven or eight months a year can save significant amounts of energy. A larger role for solar thermal hot water ...

Since 2006, Renewable Energy Systems of Alaska has provided a variety of renewable energy systems, including grid-tied and off-grid solar systems in addition to solar batteries. RES serves ...

Alaska State Solar Policy Resources. Alaska Regulatory Commission - Learn about the governing body that regulates the electricity rates and services of Alaska public utilities. Alaska ...

The potential for using solar energy in Alaska has long suffered from the notion that the sun simply doesn't offer any hope for Alaskans. Alaska is not Arizona, and it is true that from roughly November 15 until the end of ...

Ben May is the owner of Alaska Solar. He has lived in Alaska since 1991. His work spans 16 years in the construction field with 7 years in utility scale renewable energy. Ben's projects ...

Solar power options for every need, from small systems to power your RV or off-grid cabins to large arrays to drastically reduce your bills. Renewable Energy Systems of Alaska

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