

Solar Energy South Africa

Origami Solar Farm



Overview

Who is origami solar?

Origami Solar is the developer of a patent-pending steel solar panel frame that is transforming the solar industry through high-speed domestic production, reduced material and manufacturing cost, and dramatically lower greenhouse gas emissions. Stay in touch and we will keep you updated on how we're reframing PV modules with steel module frames.

Where are origami solar patented steel frames made?

Origami Solar's manufacturing partners will produce Origami Solar patented steel frames from multiple locations across the United States offering redundancy, reliability, and optimal logistics. Manufacturing is ready to scale in the US and Europe and can be adapted for other regions.

Why should you choose origami solar?

Origami Solar's patented steel frame design and superior roll-forming fabrication method delivers superior durability and performance leading to reduced project cost, risk, and improved LCOE for the solar industry. It's not surprising that consumers and investors in renewable energy are demanding products that emit less GHGs.

How long do origami solar solar panels last?

After working on the process for 12 years, Origami Solar developed a patent-pending frame design that is manufacturable using a steel roll forming process. The company reports that the frames meet structural requirements and have a projected module lifespan of 30 years. To continue reading, please visit our [pv magazine USA website](#).

Will origami ship steel solar frames in 2025?

The three partnerships Origami announced today – with Welser Profile of Valley City, Ohio; Priefert, of Mt. Pleasant, Texas; and Unimacts of Houston,

Texas - will enable Origami to ship steel solar frames to customers in the first quarter of 2025.

Why is origami focusing on a domestic solar supply chain?

Origami has prioritized a domestic U.S. supply chain to help the U.S. solar industry avoid the enormous risks, including time-consuming and expensive trans-Pacific shipping; reliance upon companies based in an often-adversarial nation intent on monopolizing the solar industry; and less reliable and more carbon-intensive components.

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[Blog , Origami Solar, Inc.](#)

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U.S. steel fabricators ready to pump out Origami Solar ...

Unimacts will manufacture Origami Solar steel frames at its Houston plant, via dedicated manufacturing lines, expected to be production-ready by the end of 2024. With manufacturing capabilities in the US, Mexico, ...



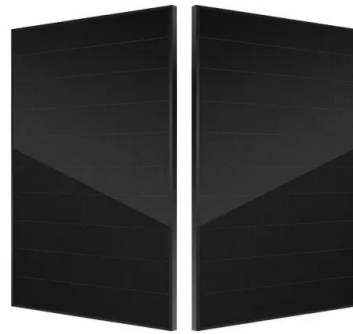
Origami Solar plans to disrupt the global solar PV ...

The potential GHG emission savings from replacing only 10% of the industry's conventional aluminum solar frames with Origami Solar steel module frames is approximately 30 megatons (30 million metric tons) between ...

Origami Solar sets up regional fabrication of steel solar ...

Origami Solar announced partnerships with three steel fabricators who will domestically produce steel solar module frames. The fabricators include with Welser Profile of Valley City, Ohio;

Priefert, of Mt. ...



[Testing Results , Origami Solar, Inc.](#)

The testing conducted at TECSI Solar compared a 35mm tall Origami steel frame against a 40mm aluminum frame under identical conditions and using identical PV laminates. In all tests our steel frame met or exceeded UL/IEC ...



Origami Solar Gen 2 Steel Solar Module Frame - ...

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Origami Solar Announces Domestic, Low-Risk U.S.

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Domestic, Durable, Decarbonized Steel Module Frames , Origami Solar...

Download Origami Solar's latest presentation covering the evolution of steel solar module frames. Take a look at durability results, benefits of a domestic supply chain, and how recycled steel ...



[Supply Chain Partners](#)

Welsper supplies Origami Solar with sample frames today from their Austria location and are building dedicated frame manufacturing lines at their Valley City, Ohio factory to supply US demand, starting in Q1 of 2025. Welsper's Ohio ...

[Careers , Origami Solar, Inc.](#)

The solar industry has advanced a lot over the past 20 years. Unfortunately, advances in the module frame have not followed suit. The Origami Solar team saw this market need and developed an innovative and patent-pending steel ...



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<https://www.ian-solar.co.za>