

## What is Photovoltaic Glass?

Our photovoltaic glass offers a cutting-edge solution for both new construction and renovation projects. When integrated into ventilated facades, this glass enhances building aesthetics while providing key benefits such as radiation protection, thermal and acoustic insulation, and improved occupant comfort.

## Who can benefit from Integrated Photovoltaic Glass Solutions?

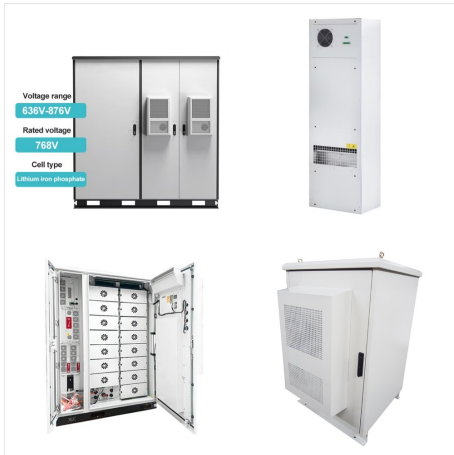
World-leading companies such as Apple, Novartis, Samsung, and Coca-Cola along with other international institutions such as the Government of Canada, the Helsen Bergen Hospital, or the National Petroleum Technology Center in Saudi Arabia, already benefit from our integrated photovoltaic glass solutions.

## Is Photovoltaic Glass a good investment?

Photovoltaic glass not only offsets conventional building material costs but also provides a tangible return on investment through energy generation. With an average payback time of 4 years and yearly ROIs of up to 20%, it stands as a sound economic choice.



Onyx Solar is a solar energy company in Vila, Spain was established in 2009 by Alvaro Beltran and Teodosio del Caño. It manufactures Building-integrated photovoltaics (BIPV) [1] and is known for its combination of energy preservation, optimization and photovoltaic energy production. [2] The company is actively cooperating with several universities including Technical University of ???



Photovoltaic Transparent Glass . Take advantage of the sunlight to illuminate your building. Thanks to our photovoltaic transparent glass you will allow the entrance of the sunlight, avoiding UV radiation and infrared radiation, and seeing through the glass at the same time.. Choose between 10%, 20% or 30% of transparency degree, depending on the luminosity required and ???



Onyx Solar offers a wide range of color options for photovoltaic glass, from white, polar gray, and blue to earthy tones like sand, terracotta, marble brown, and even corten steel. These are just a few examples of how we can customize the photovoltaic glass to suit any project. If you're looking for a specific color or would like to receive samples, feel free to contact us for more details.



Onyx Solar photovoltaic glass panes were installed on the facade of FEMSA's headquarters, which is the largest Coca-Cola bottling plant company in the world (Monterrey, Mexico). The walls of the building are lined with semi-transparent, amorphous silicon photovoltaic glass panes which are anchored to the existing structure, thus enabling air



Onyx Solar is the global leader in photovoltaic glass, an innovative building material that generates clean energy from the sun. Our glass integrates seamlessly into building envelope, converting them into renewable energy ???



Onyx Solar is the world's leading manufacturer of transparent photovoltaic (PV) glass for buildings. Onyx Solar uses PV Glass as a material for building purposes as well as an electricity-generating material, with the aim of capturing the sunlight and turn it into electricity.



Onyx solar developed the most advanced technological know-how for the production of the amorphous and crystalline silicon photovoltaic glass: in its 20.000 sq production site located in Avila, the company is able to laminate photovoltaic glass in any color, degrees of transparency, shape and dimensions (up to 4x2 meters) with the highest quality and resistance standards, ???



Honorable Mention to Onyx Solar's Photovoltaic Façade - Best of Products Awards 2018 of The Architect's Newspaper's magazine. Global Leading Photovoltaic Glass Manufacturer - Global Business Insight Awards 2018 of Global Business magazine. Most Advanced Renewable Energy Company in Spain - Global Awards 2018 of M&A Today.



Onyx Solar leads in producing innovative transparent photovoltaic (PV) glass for buildings globally. Their PV Glass serves dual purposes: as a building material and as a means to generate electricity by harnessing sunlight. This approach aligns with Onyx Solar's vision to integrate sustainable energy solutions within architectural designs, promoting both aesthetic and ???



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Onyx Solar offers customized feasibility studies for each customer, demonstrating how photovoltaic glass can contribute to their buildings. The feasibility studies include comprehensive information about the product's economic and environmental impact on the project.



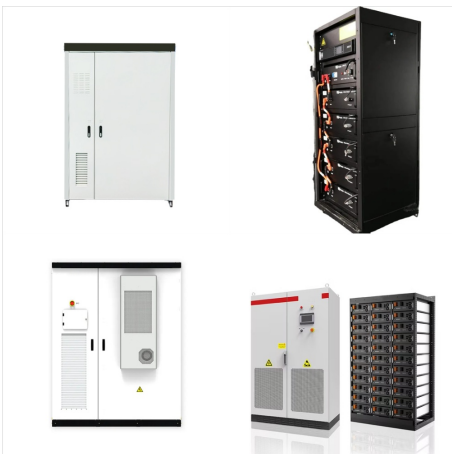
Onyx Solar USA. 79 Madison Avenue, Ste. #231 New York, NY 10016 usa@onyxsolar +1 917 261 4783. Onyx Solar Spain. Calle R?o Cea 1, 46, 05004 ?vila. Spain. Onyx Solar is a top manufacturer of photovoltaic glass solutions for buildings. We integrate renewable energy with architectural design, enhancing energy efficiency and



Onyx guides your every step toward a cleaner future. Established in 2014, Onyx offers clean energy, solar, and decarbonization solutions throughout the United States. Onyx Renewables is proud to be recognized as an Inc. 2024 Power ???



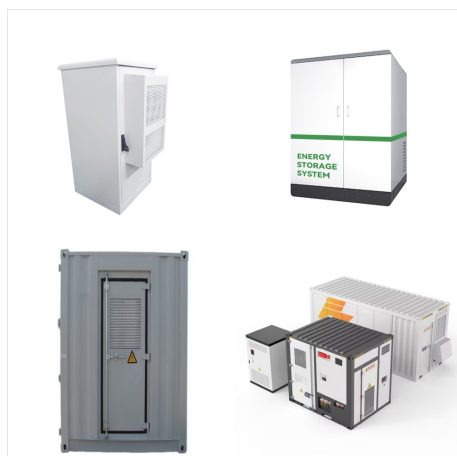
As Onyx Solar, we are proud to be the world leader in the design and manufacture of architectural, photovoltaic glass for buildings. Our journey from the early stages of research and prototyping to the final stages of product design, manufacturing, and customer validation has been a testament to our commitment to innovation and excellence.



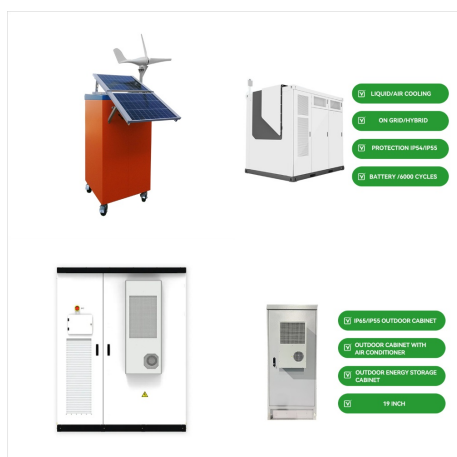
Onyx Solar Energy ist weltmarktf?hrer im bereich photovoltaik-glas f?r geb?ude. Onyx Solar Energy S.L. hat seinen sitz in ?vila, Spanien, und unterh?lt b?ros in Spanien, den Vereinigten Staaten und China. Dar?ber hinaus sorgt unser PV-glas auch f?r eine hervorragende isolierung, sowohl thermisch als auch akustisch.



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Onyx Solar also offers large photovoltaic glass panes, customizable in size and light transmittance, ensuring they meet diverse architectural styles and energy requirements worldwide. Crystalline Silicon Photovoltaic glass is the best choice for projects where maximum power output per square meter is required.



The definitive guide to learn about Building Integrated Photovoltaics, by Onyx Solar this audiobook, we will explore how our innovative photovoltaic glass not only enhances the aesthetic appeal of your buildings but also significantly reduces energy consumption and carbon emissions. You will learn about the unique properties of our PV glass, the economic benefits it offers, and ???



Onyx Solar's photovoltaic solutions for curtain walls and spandrels combine energy generation with sleek architectural design. These systems transform traditionally unused building surfaces into efficient, renewable energy sources while maintaining the structure's aesthetic appeal. Energy Efficiency: Generate clean energy and reduce electricity costs.



Onyx Solar sets the industry standard with its unmatched PV glass solutions, blending high efficiency, aesthetic versatility, and environmental sustainability. Elevate your architectural ???



Onyx Solar customizes all its photovoltaic glass in accordance to building codes and architectural specifications. Depending on the canopy's structural design (slopes, tilts, cantilevers???) we work together with the design team in providing the most robust glass design possible.





In partnership with SolarPlexus, Onyx Solar presents a cutting-edge solar solution that elevates the sustainability of residential roofs. Our InRoof PV system integrates modern design with practicality, featuring a modular setup that accommodates low-slope roofs and includes inactive components for a cohesive and elegant look. Adopting our solar roof tiles is both ???