



BIPV

ONE&ONLY

THE EXCLUSIVE
AND CUSTOM-MADE
INTEGRATED
PHOTOVOLTAICS



Discover BIPV Where design
and sustainability unite
to harness clean energy.
Transform
your building today!



BIPV APPLICATIONS

THE ENERGY OF THE CITY

BIPV (Building-Integrated Photovoltaics) panels represent an innovative solution for incorporating photovoltaics into buildings. These systems not only generate clean energy but also replace traditional materials, such as facades or roofs, effectively combining design with sustainability.

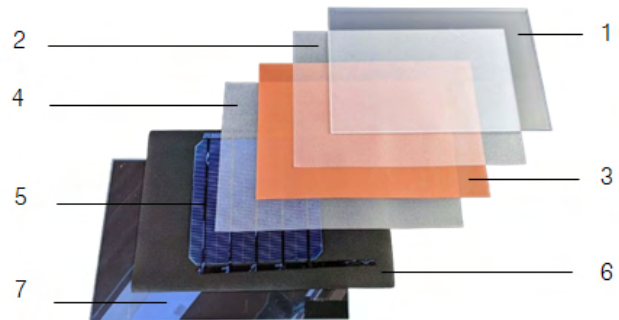
The benefits of BIPV panels are numerous: they reduce energy costs, enhance building efficiency, and contribute to lowering CO2 emissions. Additionally, they can be customized to cater to various architectural needs, ensuring a modern and integrated aesthetic.

Installing BIPV panels requires careful planning, considering factors such as orientation, shading, and local regulations. While initial costs may be higher compared to traditional systems, the long-term benefits justify the investment.

In an era where energy transition is crucial, BIPV panels stand out as a key technology for constructing more sustainable and resilient cities, merging functionality with cutting-edge design.

HOW DOES THE SOLAR CELL WORK?

The conversion of sunlight into electrical energy occurs through the photovoltaic effect within a solar cell.



1. Special tempered glass
2. Ethyl Vinyl Acetate
3. Chromatic encapsulant
4. Ethyl Vinyl Acetate
5. Solar cell
6. Retrofit
7. Special tempered glass





TEXTURE
FP01

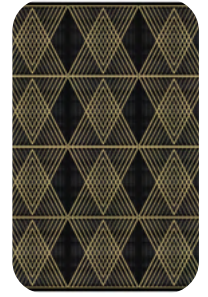


TEXTURE
FP02



TEXTURE
FP03

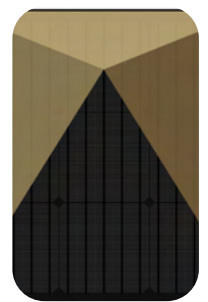
and more



TEXTURE
TS01



TEXTURE
TS02



TEXTURE
TS03

and more

BIPV CUSTOM MADE

DESIGN YOUR OWN DESIGN

BIPV panels offer the possibility of customization with tailored textures and designs, seamlessly integrating into the aesthetics of buildings. Thanks to advanced technologies, patterns, colors, and finishes that mimic traditional materials like wood, stone, or metal can be applied without compromising energy efficiency.

This flexibility allows the panels to adapt to diverse architectural styles, from modern to classic, making them ideal for residential, commercial, or public projects. Customizing textures not only enhances visual appeal but also increases property value, demonstrating how sustainability and design can coexist harmoniously.

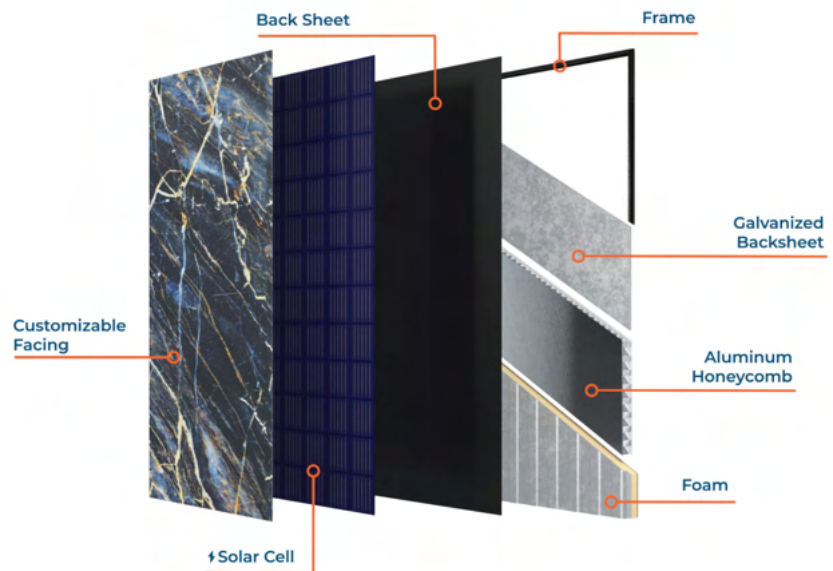
BIPV AND ARCHITECTURE

A NEW APPROACH TO BEAUTY

BIPV panels are revolutionizing modern architecture by integrating into façades, roofs, windows, and even transparent surfaces. These systems not only generate renewable energy but also replace traditional building materials, thus reducing environmental impact and enhancing the energy efficiency of buildings.

WHAT DOES THE BIPV MODULE MAKE UP OF?

One of many examples of how a BIPV module can be constructed.



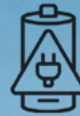
The applications of BIPV panels range from residential projects to commercial complexes and public infrastructure. Thanks to their versatility, they can be adapted to various aesthetic and functional needs, contributing to the creation of sustainable and cutting-edge buildings without compromising design.



EFFICIENCY

BIPV panels enhance energy efficiency by up to 30%, lowering consumption and costs with clean, renewable energy

+ 30 %



INTEGRATION

BIPV panels fully integrate into buildings, replacing traditional materials while seamlessly combining design and functionality without aesthetic compromises.

+ 100 %



CUSTOMIZATION

In 90% of cases, BIPV panels offer tailored textures and colors, adapting to any architectural style with unique solutions.

+ 90 %



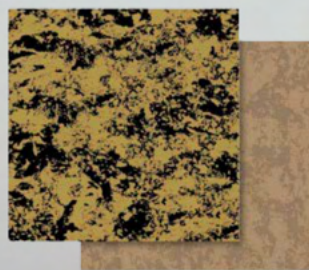
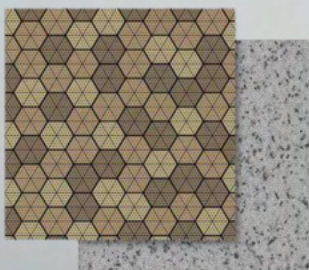
SUSTAINABILITY

BIPV panels can reduce CO2 emissions by up to 40%, promoting green construction and contributing to a more sustainable future.

+ 40 %



TEXTURE & PATTERN





CHIRENTI GROUP

Our company specializes in the processing of glass and aluminum. BIPV Italy, a branch of our company, focuses on innovative solutions for solar collection and renewable energy, particularly emphasizing BIPV panels (Building Integrated Photovoltaics). We utilize advanced technologies to enhance the energy efficiency of buildings, offering refined aesthetic designs and architectural value. Our solutions contribute to making buildings more sustainable and modern.

C O N T A C T U S



www.chirenti.it
www.bipvitaly.it

