

AELIUS BIPV COLLECTION

BUILT TO GENERATE.

Every surface. One source of energy.

Building Integrated Photovoltaics, built into the architecture itself. Aelius provides Solar-integrated architectural solutions that look as good as they perform.



ABOUT AELIUS

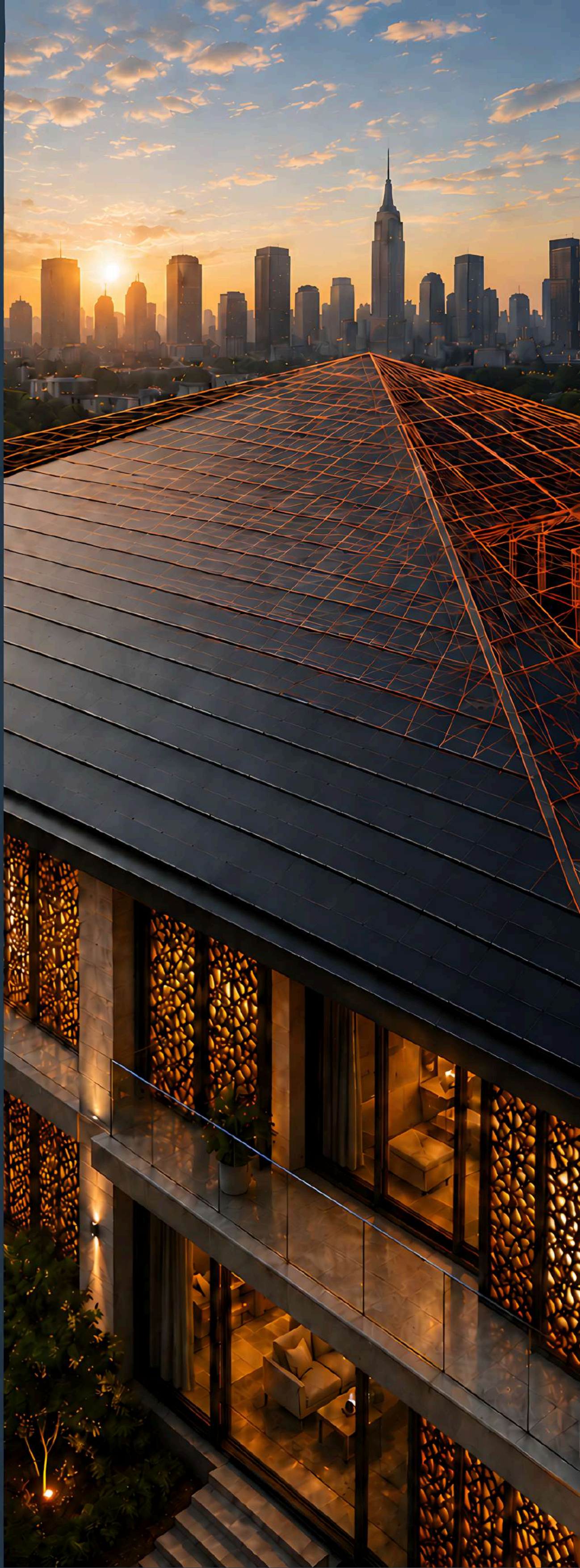
ARCHITECTURE THAT GENERATES.

Not panels placed upon architecture, but the architecture itself — rooftiles, cladding, floortiles, railings, louvers, surfaces finished in any colour or pattern an architect can imagine. Each one performs the role a conventional material always has. Each one generates the power inside.

Design is never the compromise and never the afterthought — it is the starting point.

Designed in Mumbai. Built in Halol, Gujarat. Specified by architects who refuse to choose between the building they envisioned and the energy it produces.

COMPANY PROFILE



AELIUS

ENERGY GENERATING AESTHETIC SURFACES

THE AELIUS ADVANTAGE

BUILT ON FOUR CONVICTIONS.



01 FULLY INTEGRATED

Becomes the building material itself.
Engineered to match the surface quality
your design intends.

Indistinguishable as solar, with a range
of premium finishes available.



02 CLEAN ENERGY

Turns every roof, wall, floor, and railing
into a generator.

Every surface, working from sunrise.
Clean power.



03 ARCHITECTURAL FREEDOM

Any surface. Any elevation.
Shaped as per the architect's imagination.
The building envelope, now generating.



04 BUILT TO ENDURE

Engineered for every outdoor application.
Rigorously tested for decades of weather.
Built to perform as long as the building stands.

25

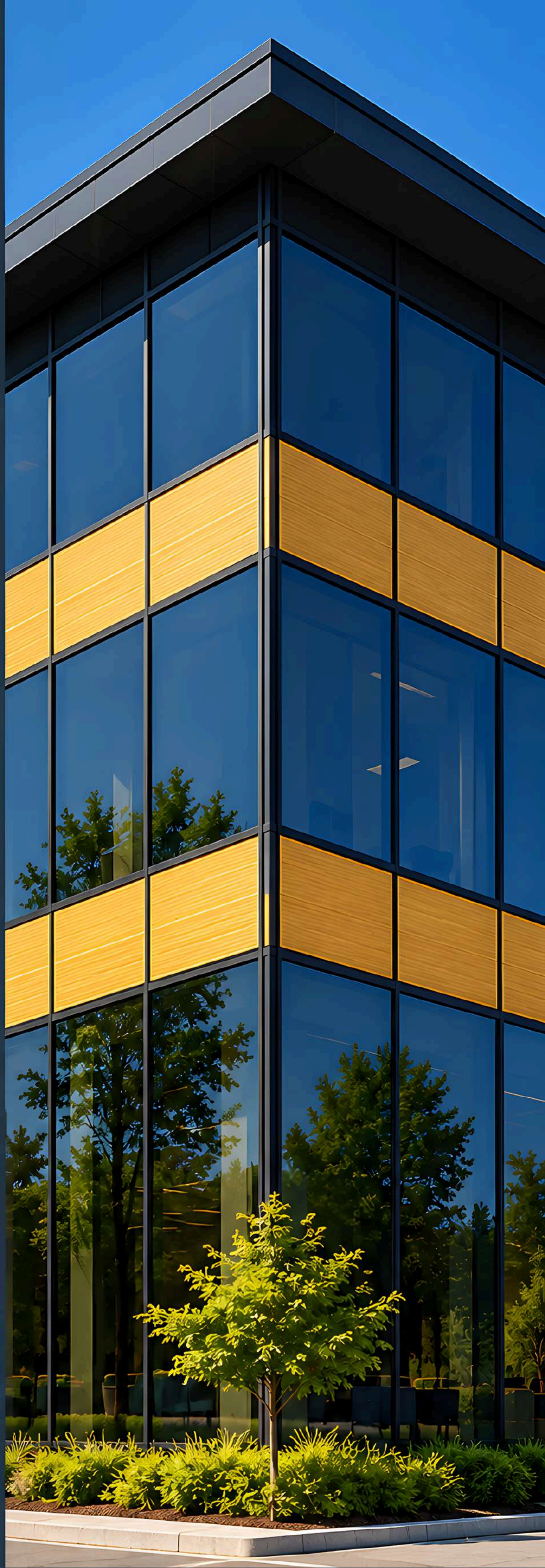
YEARS
PERFORMANCE
WARRANTY

12

YEARS
PRODUCT
WARRANTY

180-200

Wp/sqm
POWER
DENSITY





ENERGY GENERATING AESTHETIC SURFACES

VISION FACADE

Clarity that generates.

BIPV Vision Facade looks and performs like conventional facade glass, while generating clean energy. A perfect fit for commercial high-rise buildings.



VISION FACADE

VISIBLE LIGHT TRANSMITTANCE

20- 40%

CELL TYPE

Topcon >25% Efficiency

WEIGHT

17- 20 Kg/sqm

TOTAL THICKNESS

7.7- 12 mm

PRODUCT WARRANTY

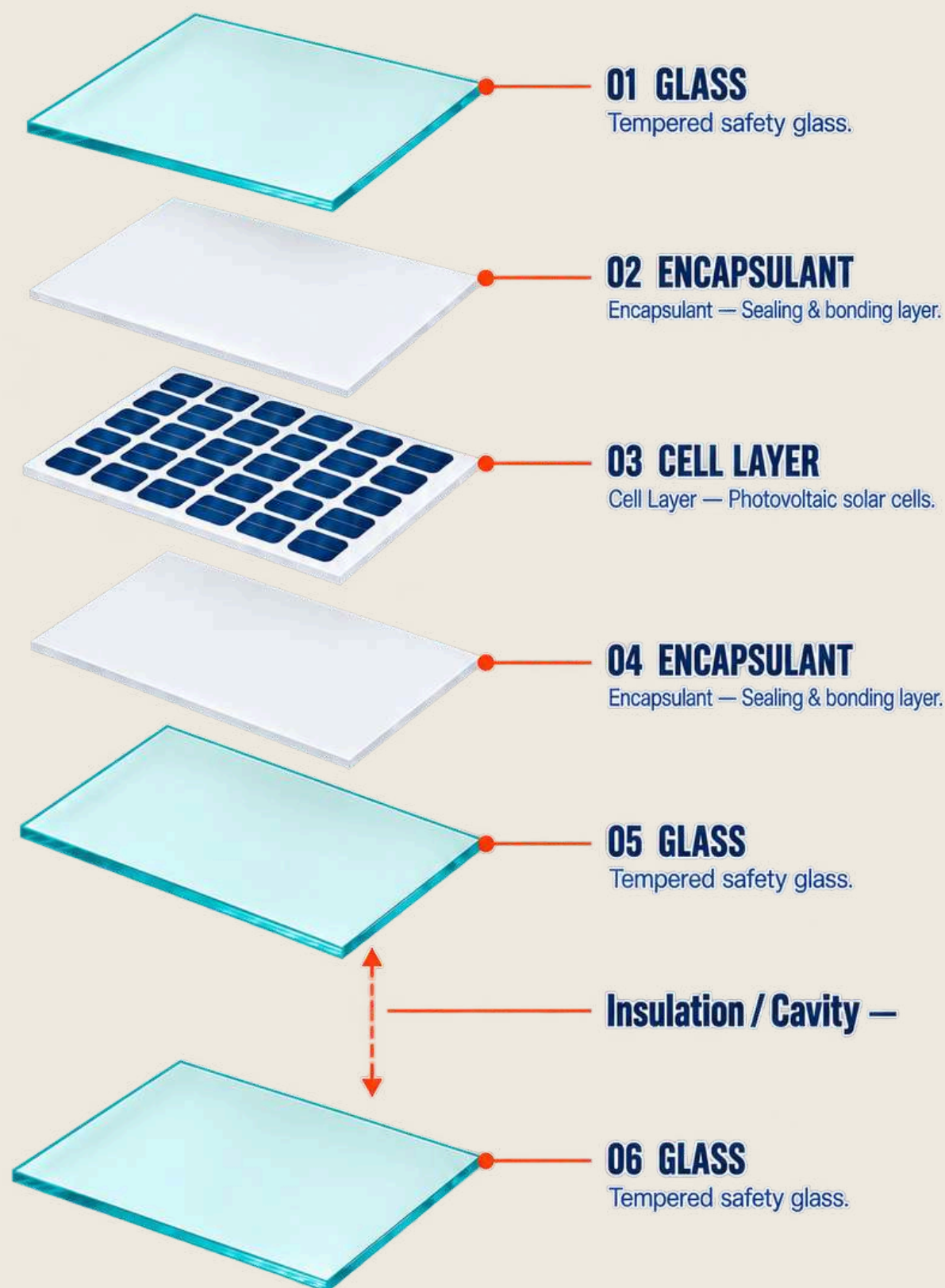
12 Years

PERFORMANCE WARRANTY

25 Years

TECHNICAL SPECIFICATIONS

ENGINEERED TO PERFORM



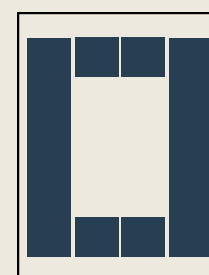
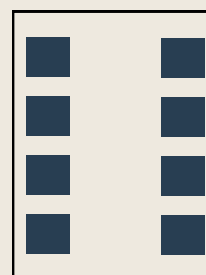
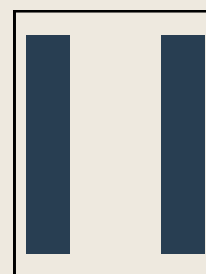
DOUBLE GLAZED UNIT(DGU)



COMPLIANCE STANDARDS

- ✓ Photovoltaic Standards
- ✓ Electrical Standards
- ✓ Impact Resistance
- ✓ Thermal Resistance
- ✓ Wind Resistance

CELL LAYOUTS





ENERGY GENERATING AESTHETIC SURFACES

CLADDING

A facade that earns its light.

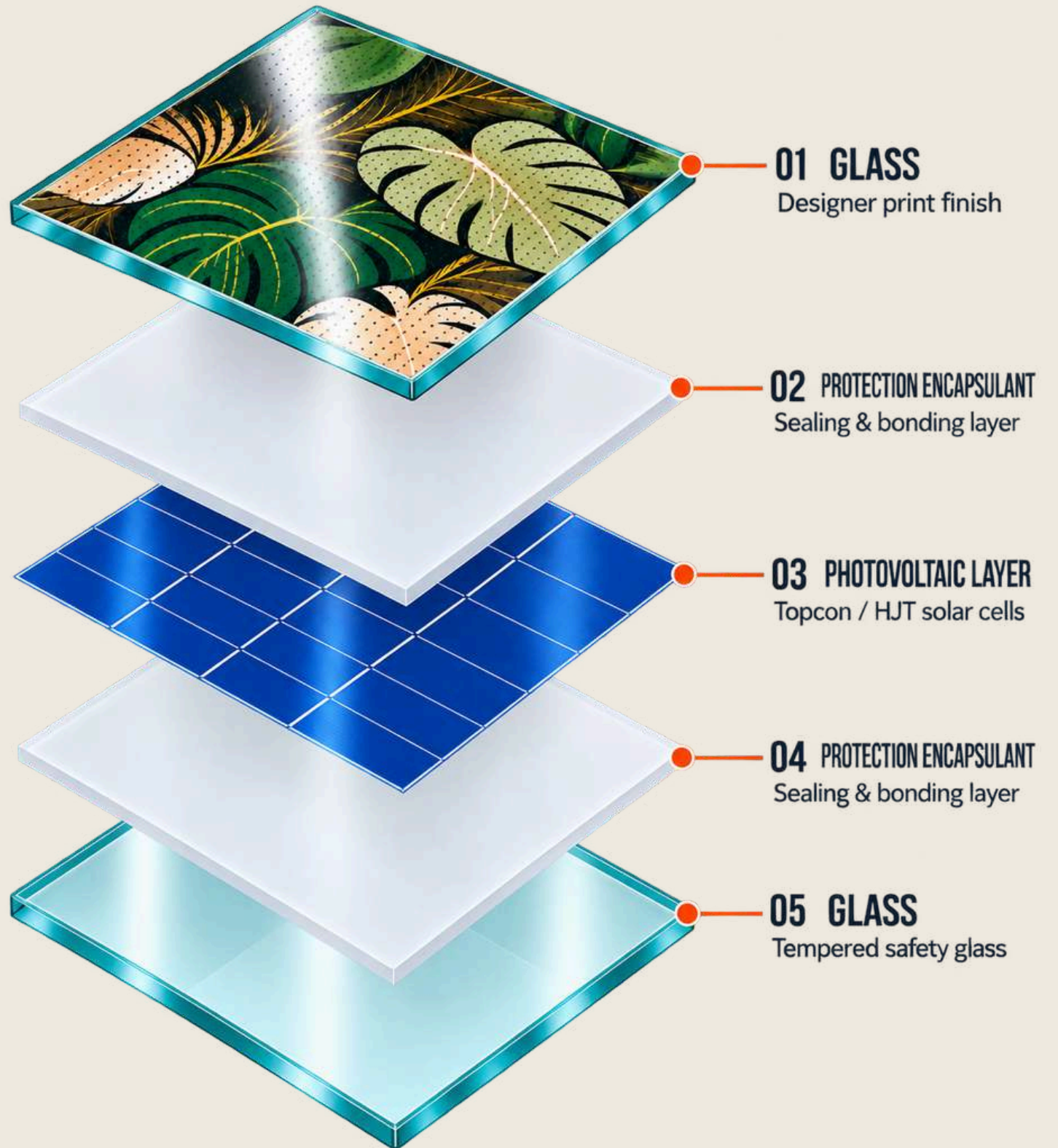
BIPV Cladding works similar to conventional cladding panels engineered for high-rise commercial and residential buildings.



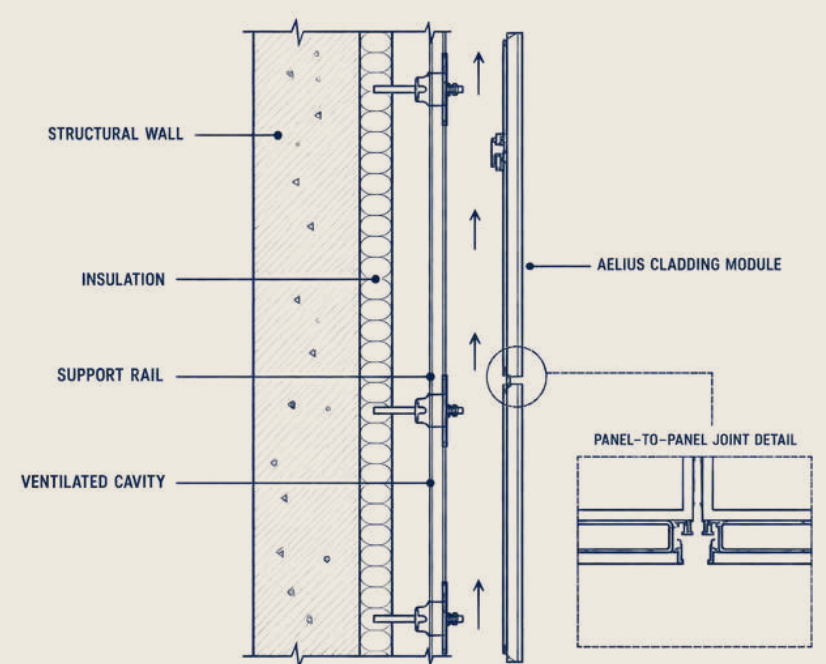
CLADDING

TECHNICAL SPECIFICATIONS

ENGINEERED TO PERFORM



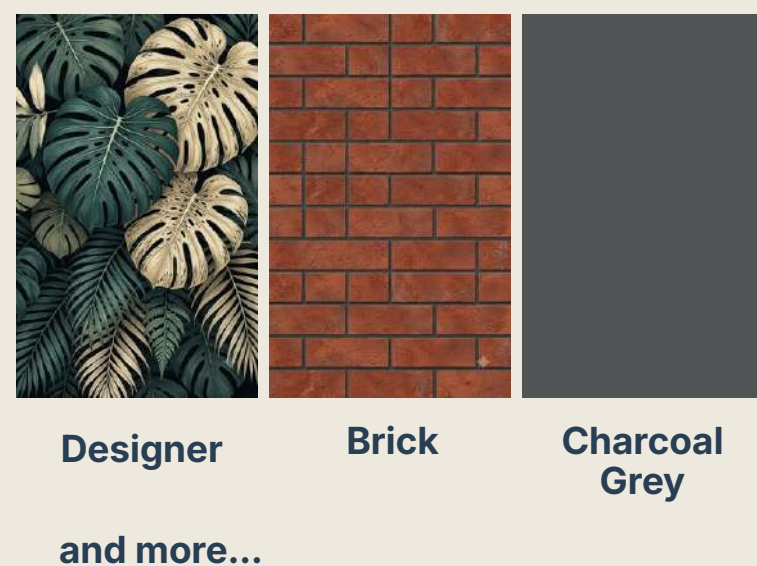
MOUNTING



COMPLIANCE STANDARDS

- ✓ Photovoltaic Standards
- ✓ Electrical Standards
- ✓ Impact Resistance
- ✓ Thermal Resistance
- ✓ Wind Resistance

AVAILABLE FINISHES



SIZE A

2400 X 1200 X 9 mm
600 Wp • 60 kg

SIZE B

1200 X 800 X 9 mm
200 Wp • 20 kg

CELL TYPE

Topcon >25% Efficiency

PRODUCT WARRANTY

12 Years

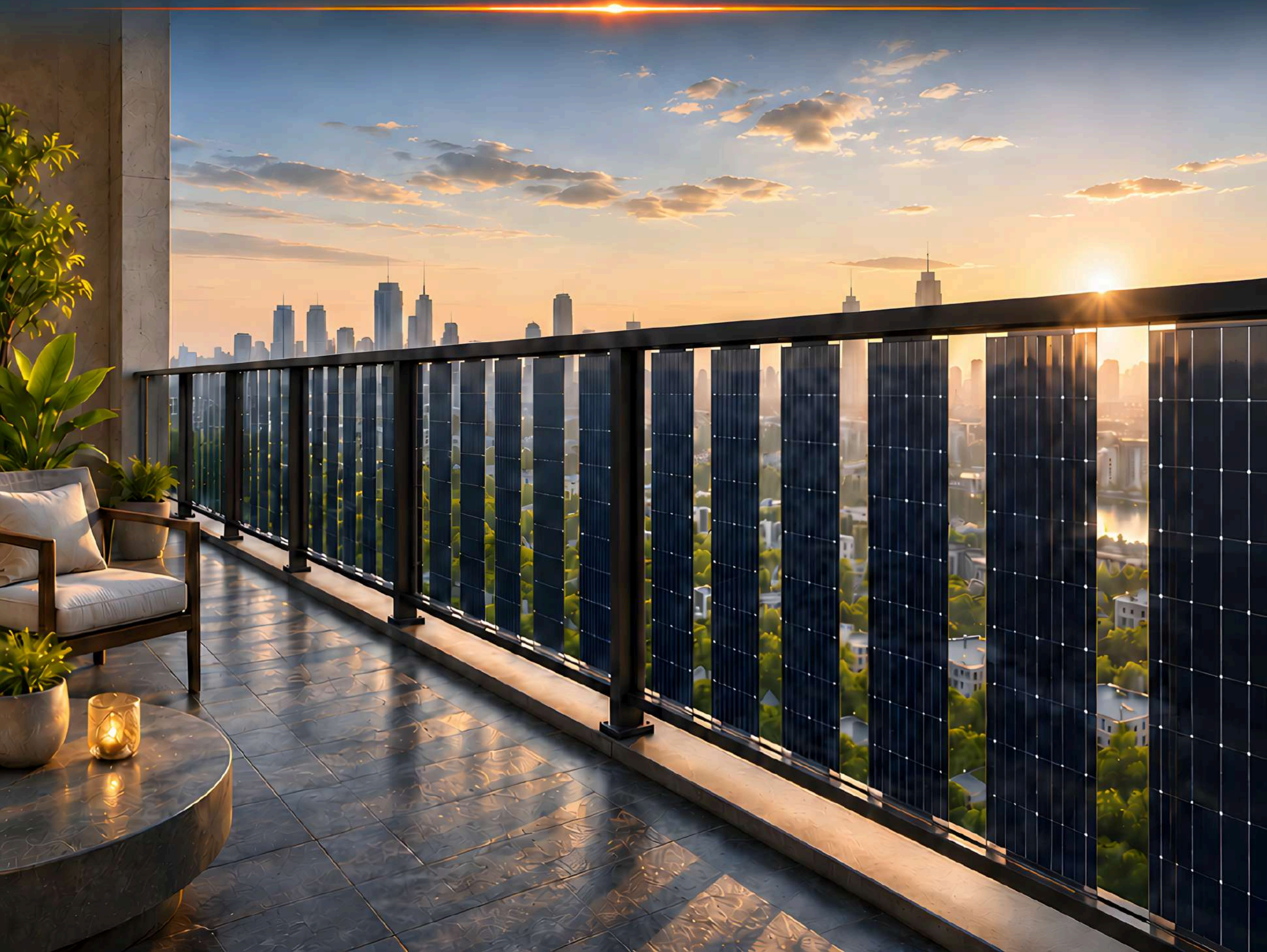
PERFORMANCE WARRANTY

25 Years

RAILING

The edge that earns the view.

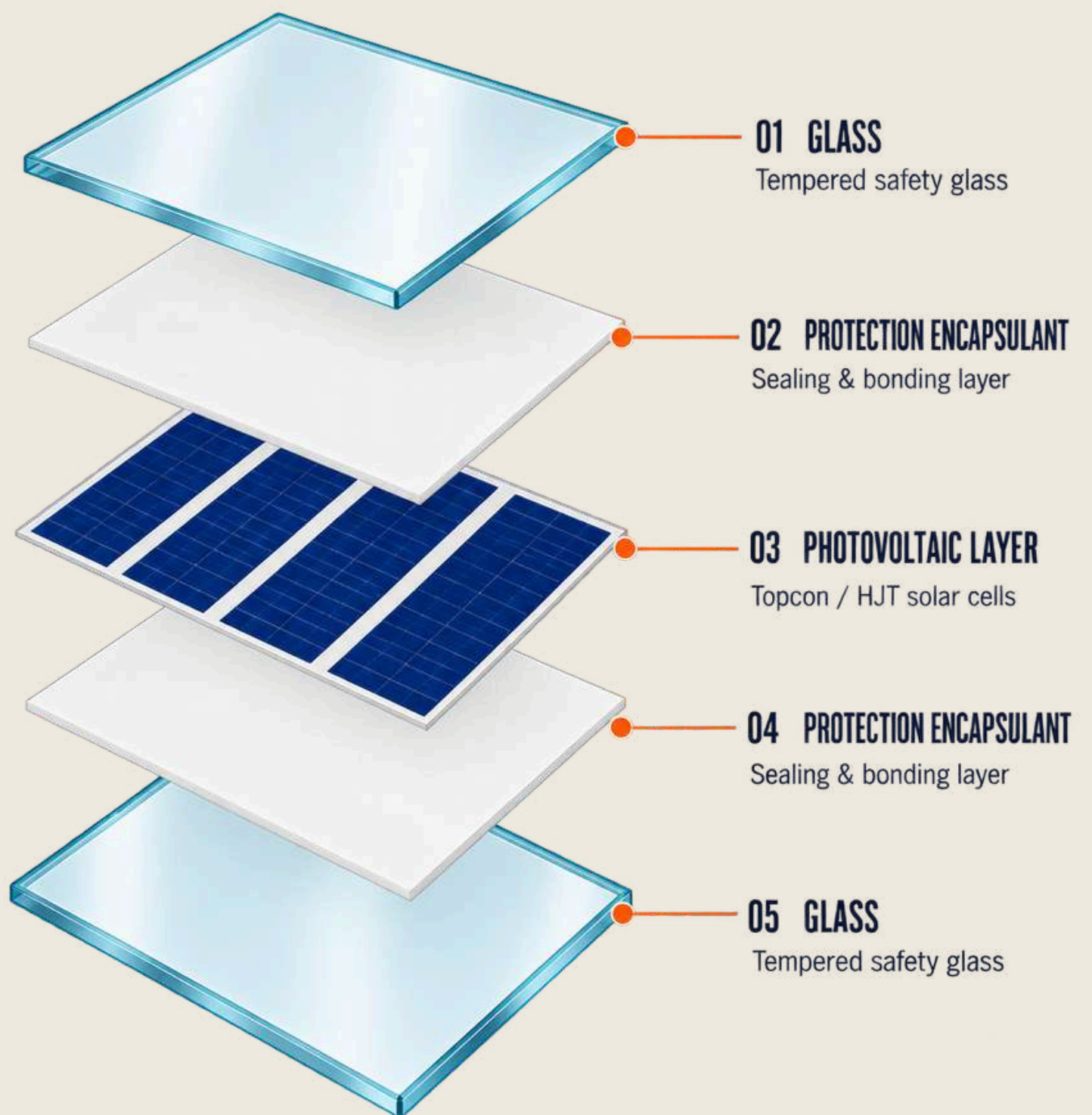
BIPV Railing works similar to balcony railings and balustrades, engineered to generate energy for high-rise commercial and residential buildings.



RAILING

TECHNICAL SPECIFICATIONS

ENGINEERED TO PERFORM



SIZE

1200 X 1200 X 15 mm

WATTAGE

160 Wp

CELL TYPE

Topcon >25% Efficiency

WEIGHT

45 Kg

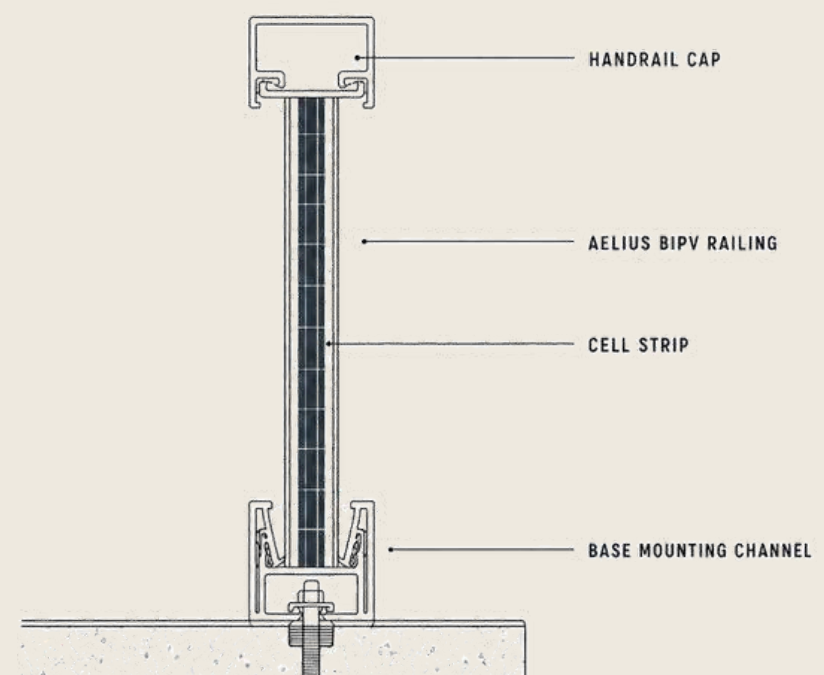
PRODUCT WARRANTY

12 Years

PERFORMANCE WARRANTY

25 Years

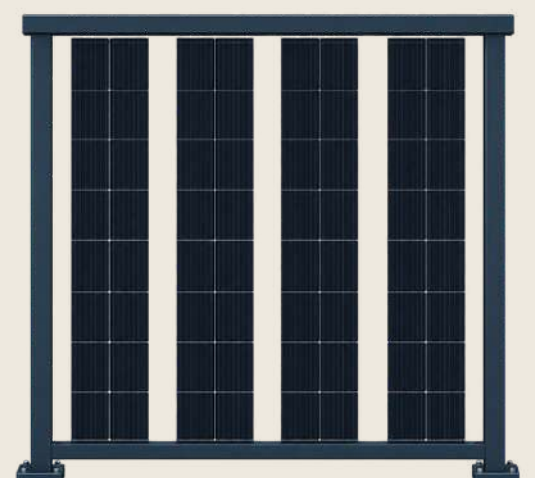
MOUNTING



COMPLIANCE STANDARDS

- ✓ Photovoltaic Standards
- ✓ Electrical Standards
- ✓ Impact Resistance
- ✓ Thermal Resistance
- ✓ Wind Resistance

PANEL CONFIGURATION



VLT: 35- 40%

AELIUS

ENERGY GENERATING AESTHETIC SURFACES

SKYLIGHT

Light that generates.

BIPV Skylights bring in natural daylight like conventional skylights, while generating energy. Ideal for malls and atriums.



SKYLIGHT

SIZE

2400 X 1200 X 15 mm

WATTAGE

400 Wp

CELL TYPE

Topcon >25% Efficiency

WEIGHT

90 Kg

PRODUCT WARRANTY

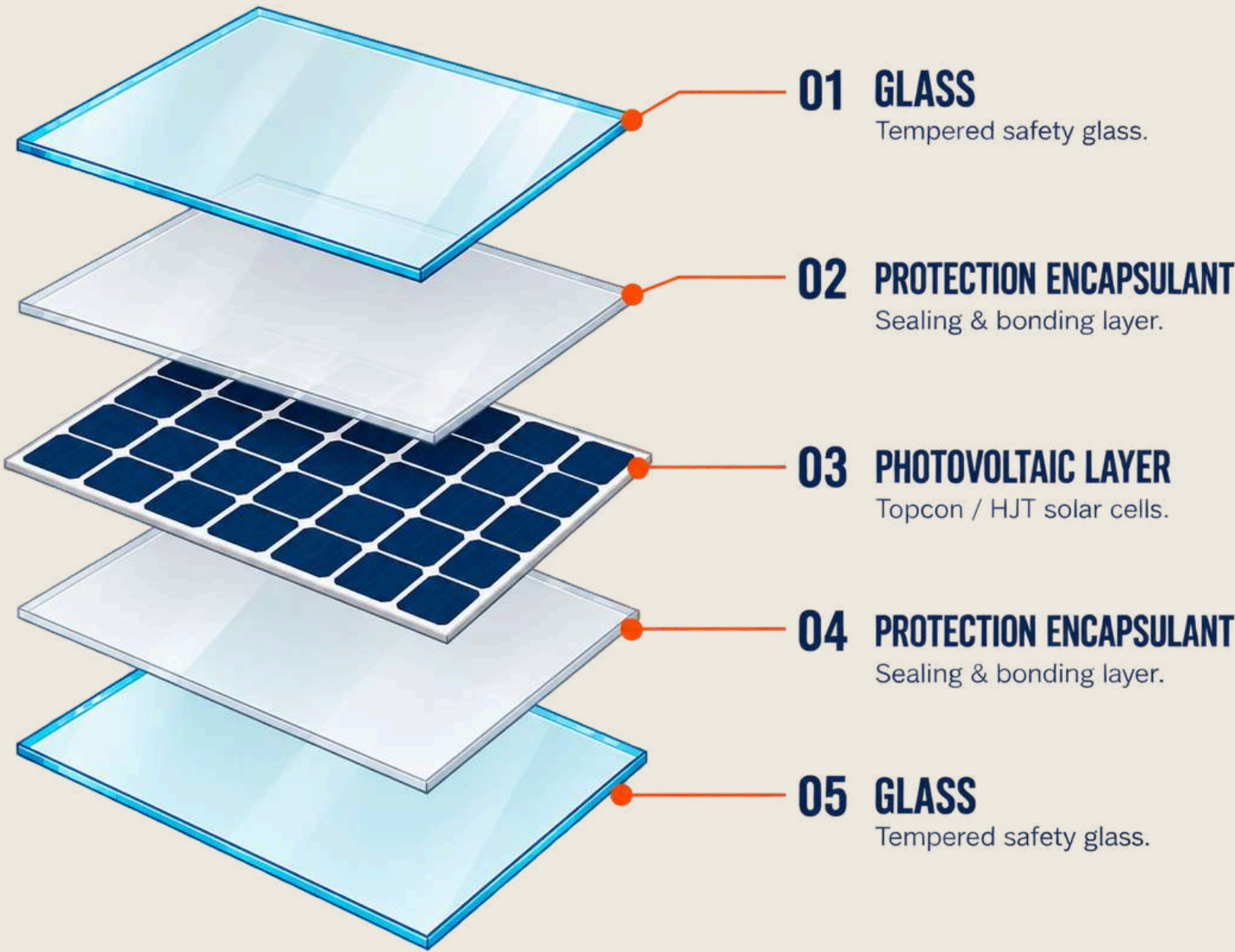
12 Years

PERFORMANCE
WARRANTY

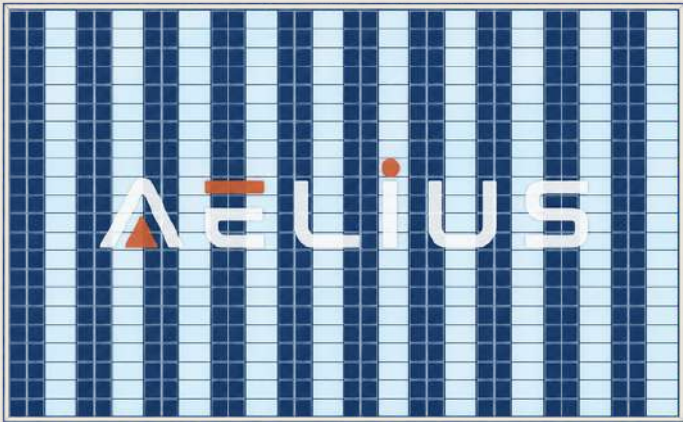
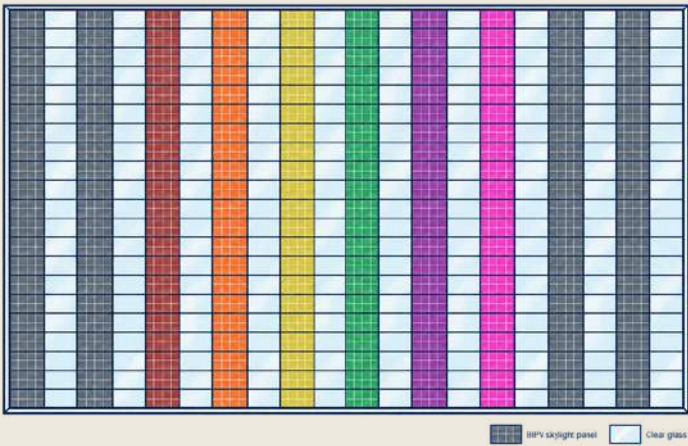
25 Years

TECHNICAL SPECIFICATIONS

ENGINEERED TO PERFORM



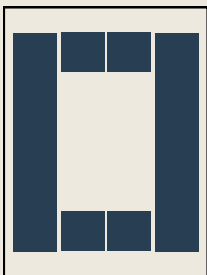
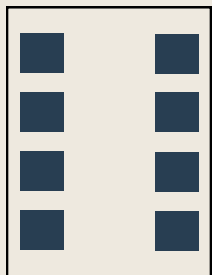
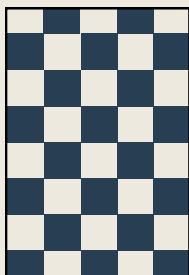
DESIGNER



COMPLIANCE STANDARDS

- ✓ Photovoltaic Standards
- ✓ Electrical Standards
- ✓ Impact Resistance
- ✓ Thermal Resistance
- ✓ Wind Resistance

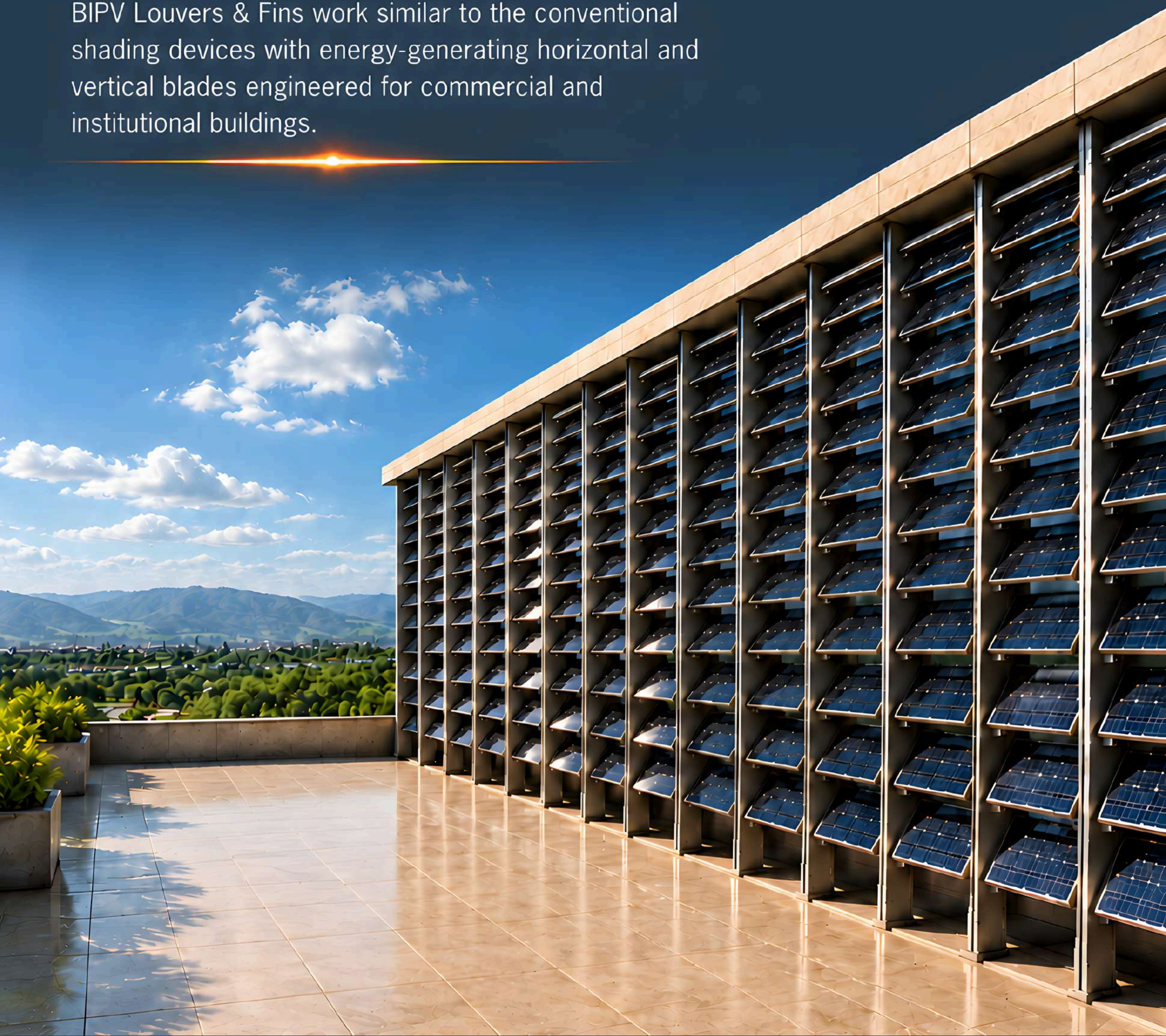
CELL LAYOUTS



LOUVERS & FINS

Shade that generates.

BIPV Louvers & Fins work similar to the conventional shading devices with energy-generating horizontal and vertical blades engineered for commercial and institutional buildings.





LOUVERS & FINS

SIZE

1128 X 210 X 9 mm

WATTAGE

45 Wp

CELL TYPE

Topcon >25% Efficiency

WEIGHT

6 Kg

PRODUCT WARRANTY

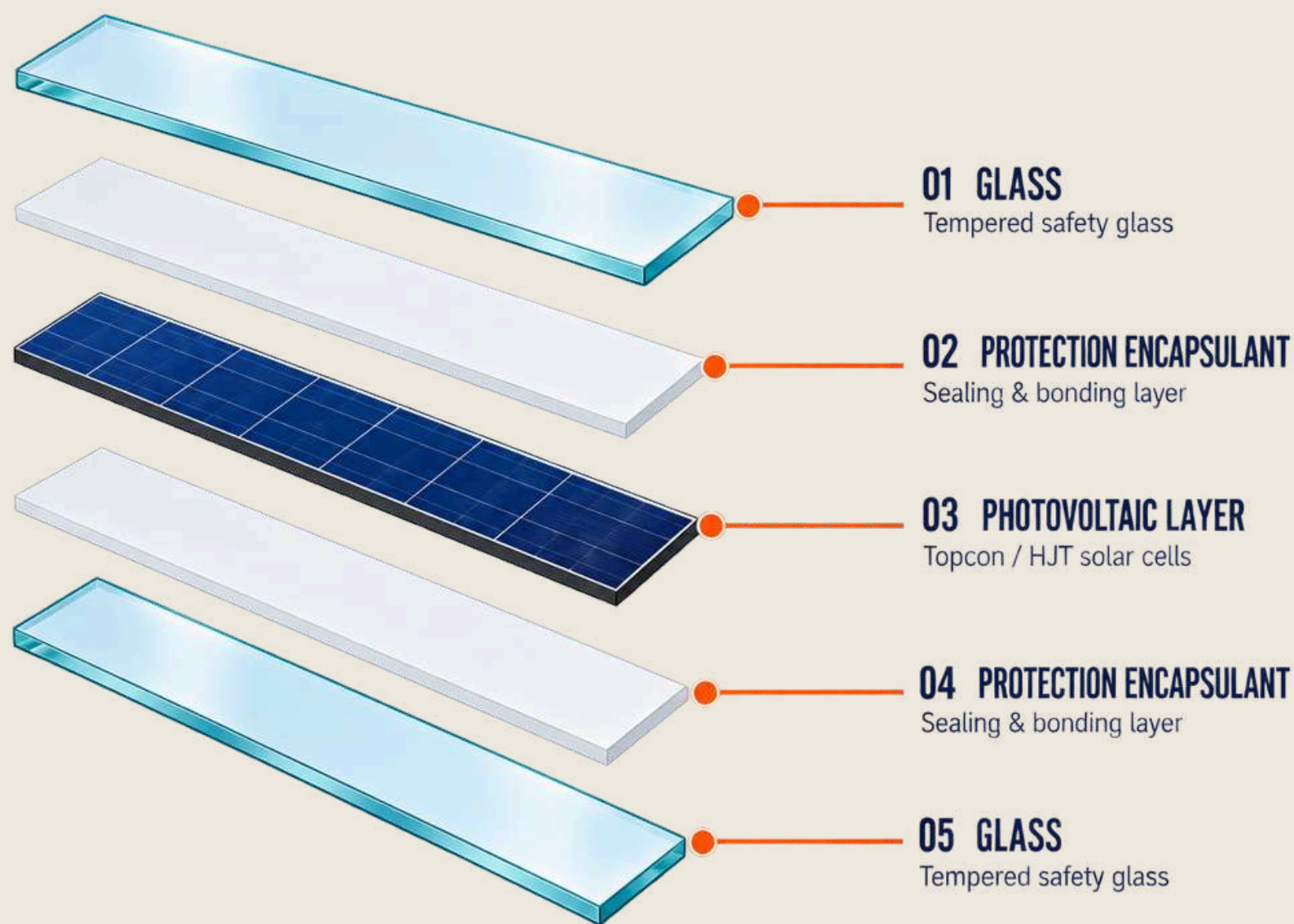
12 Years

PERFORMANCE WARRANTY

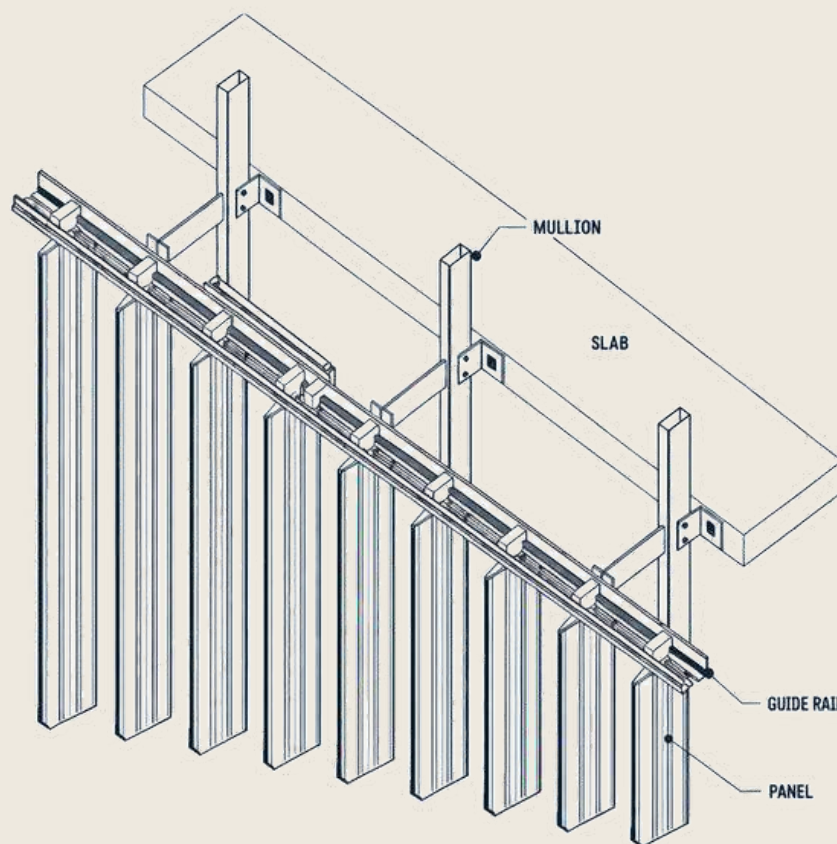
25 Years

TECHNICAL SPECIFICATIONS

ENGINEERED TO PERFORM



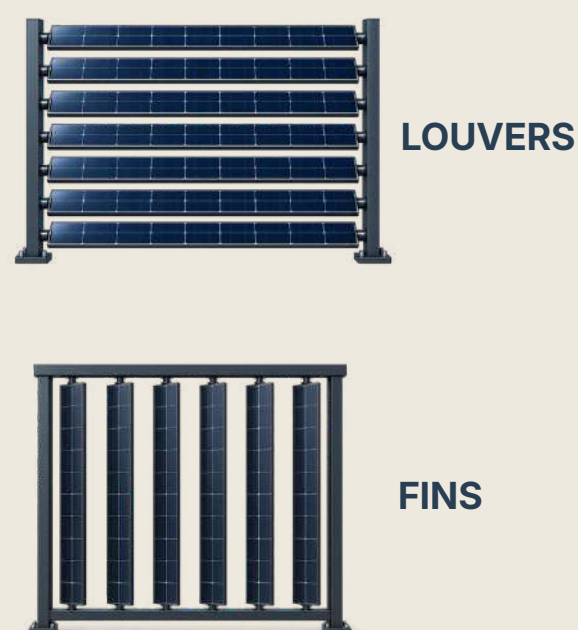
MOUNTING



COMPLIANCE STANDARDS

- ✓ Photovoltaic Standards
- ✓ Electrical Standards
- ✓ Impact Resistance
- ✓ Thermal Resistance
- ✓ Wind Resistance

PANEL CONFIGURATION





ENERGY GENERATING AESTHETIC SURFACES

ROOFTILE

A roof that earns its place.

BIPV Rooftile works similar to conventional shingle roofing across pitched slopes, engineered to generate energy for villas and farmhouses, etc.



ROOFTILE

SIZE

1200 X 420 X 9 mm

WATTAGE

100 Wp

CELL TYPE

Topcon >25% Efficiency

WEIGHT

11 Kg

PRODUCT WARRANTY

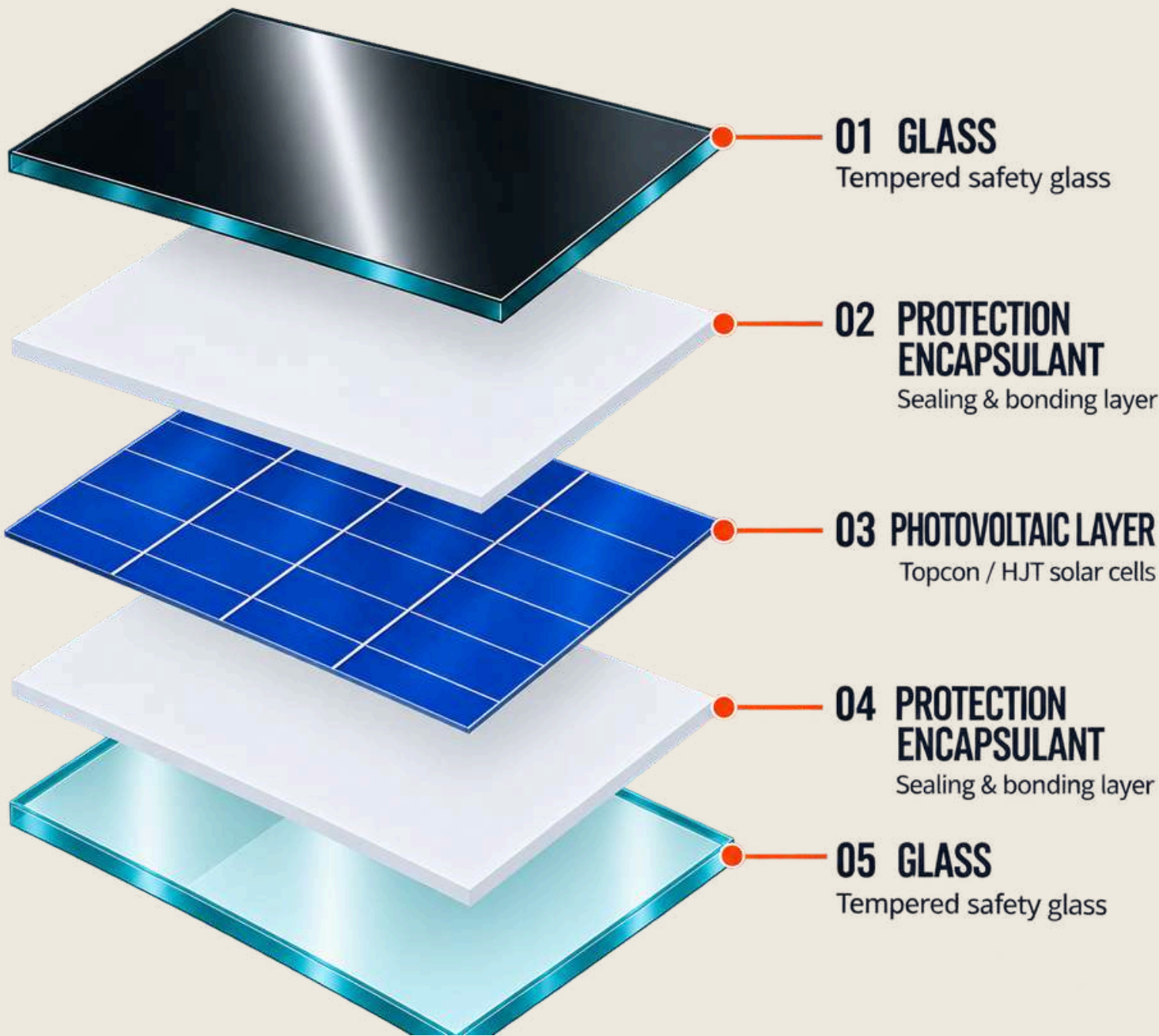
12 Years

PERFORMANCE WARRANTY

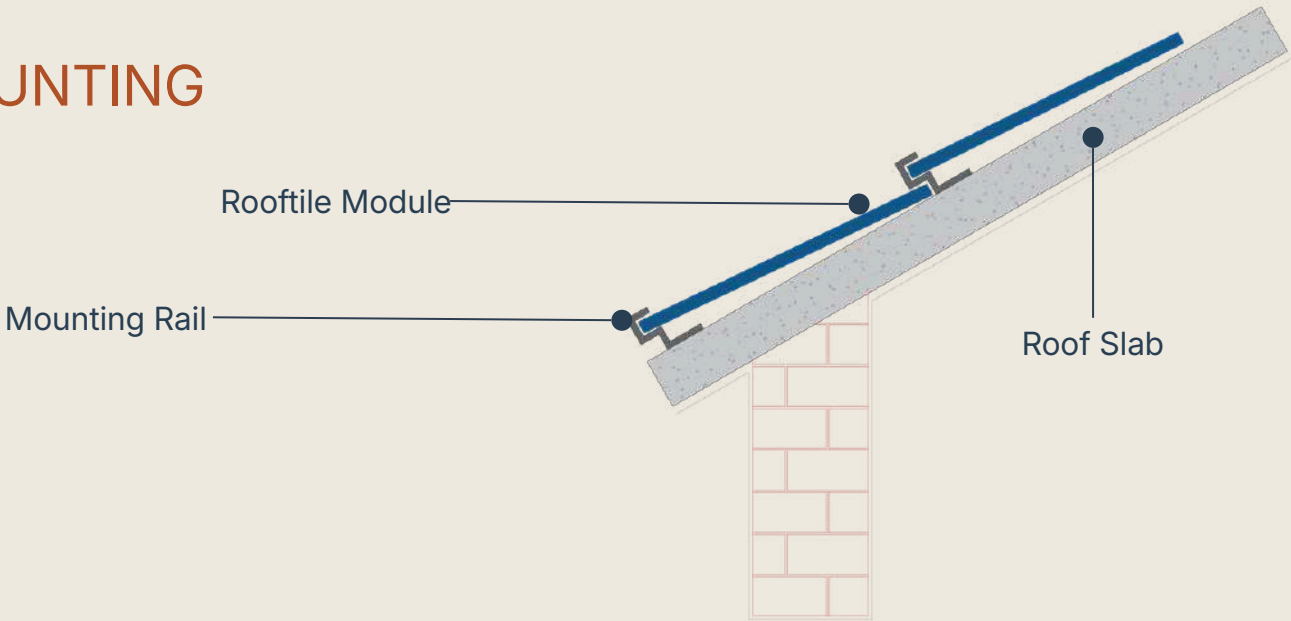
25 Years

TECHNICAL SPECIFICATIONS

ENGINEERED TO PERFORM



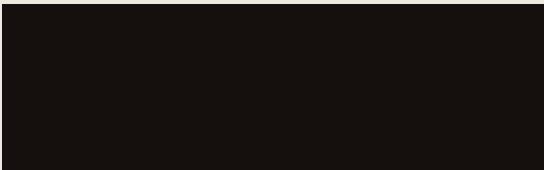
MOUNTING



COMPLIANCE STANDARDS

- ✓ Photovoltaic Standards
- ✓ Electrical Standards
- ✓ Impact Resistance
- ✓ Thermal Resistance
- ✓ Wind Resistance

AVAILABLE FINISHES



Black



Shingles



Terracotta

#Custom Designs

AELIUS

ENERGY GENERATING AESTHETIC SURFACES

FLOORTILE

The ground that earns the sun.

BIPV Floortile works similar to conventional tiles engineered to generate energy from terrace and podium floors of high-rise commercial and residential buildings.



FLOORTILE

SIZE A

420 X 420 X 15mm
32 Wp • 6 kg

SIZE B

500 X 500 X 15 mm
45 Wp • 8 kg

CELL TYPE

Topcon >25% Efficiency

PRODUCT WARRANTY

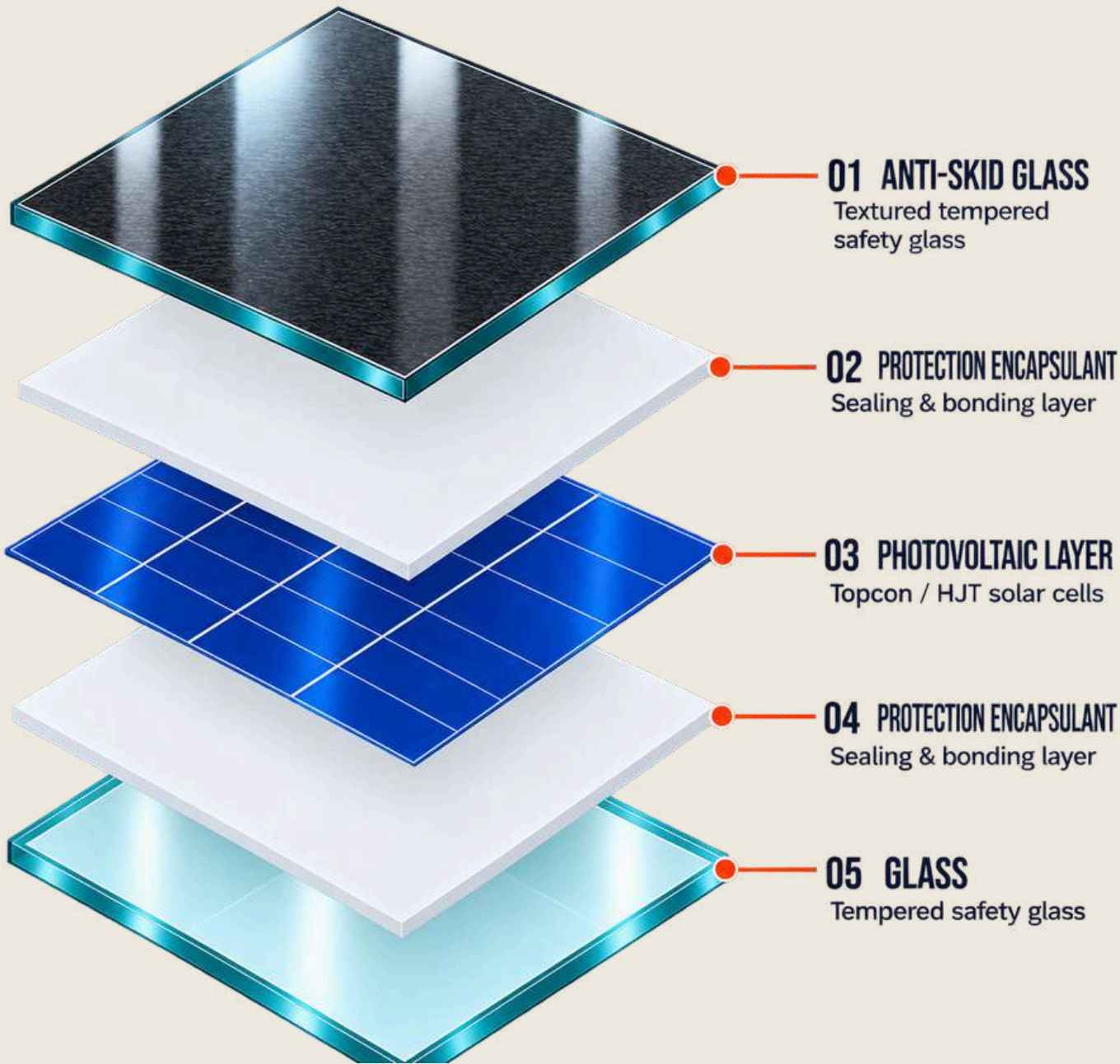
12 Years

PERFORMANCE WARRANTY

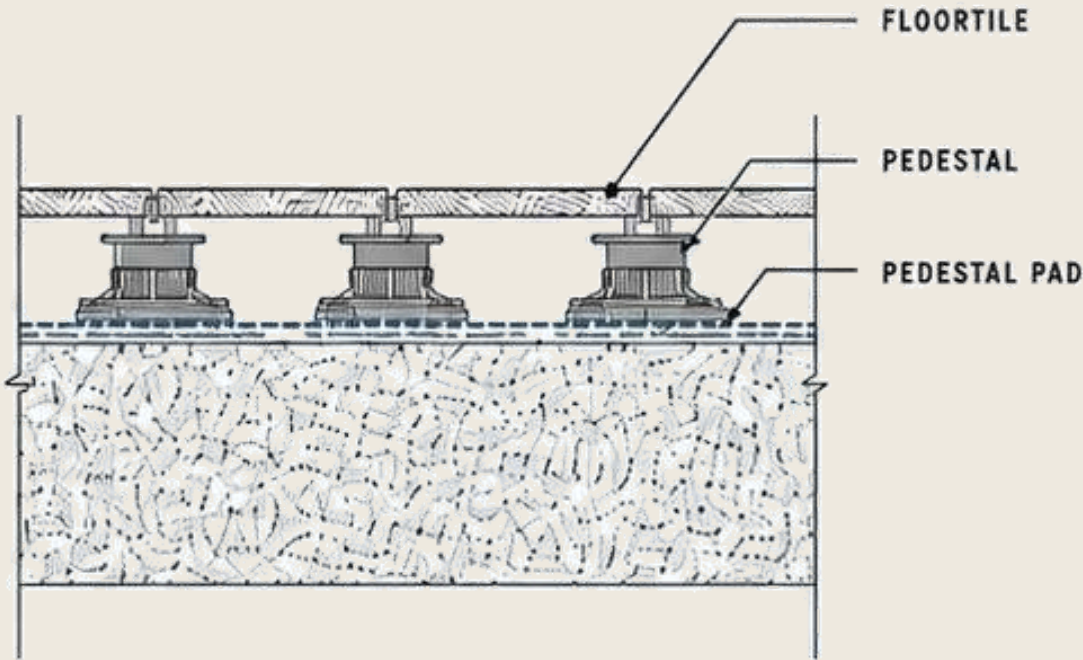
25 Years

TECHNICAL SPECIFICATIONS

ENGINEERED TO PERFORM



MOUNTING



COMPLIANCE STANDARDS

- ✓ Photovoltaic Standards
- ✓ Electrical Standards
- ✓ Impact Resistance
- ✓ Thermal Resistance
- ✓ Wind Resistance

SURFACE DETAILS

- ANTI - SKID GLASS TOP
- LOAD- BEARING 150 kg per sqm

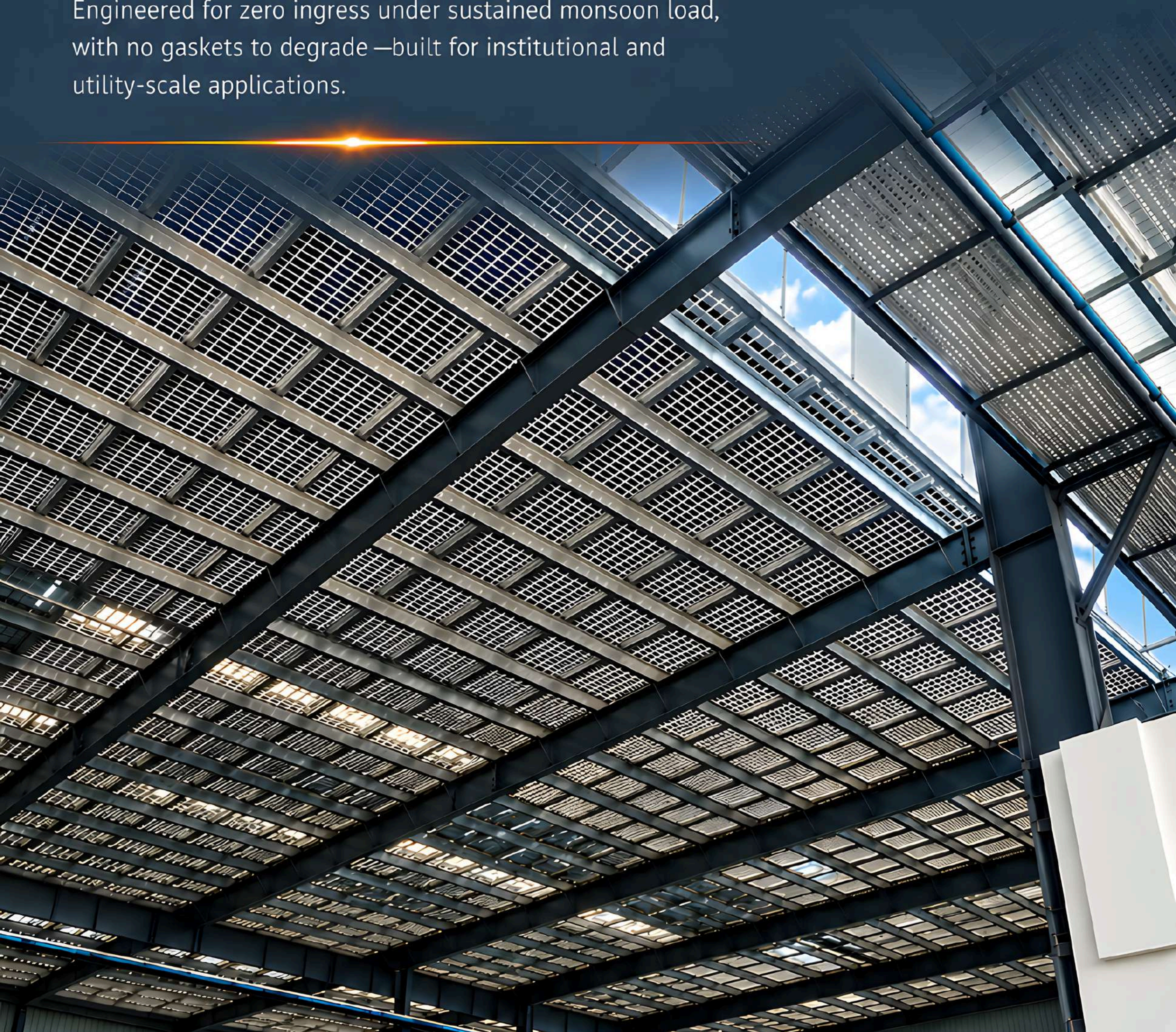
ÆLIUS

ENERGY GENERATING AESTHETIC SURFACES

SOLAR AS A ROOF

Shelter that generates.

Engineered for zero ingress under sustained monsoon load,
with no gaskets to degrade—built for institutional and
utility-scale applications.

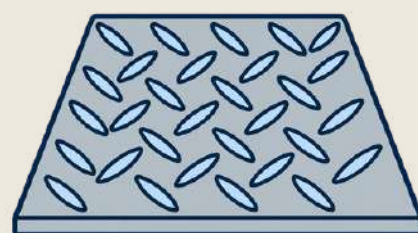
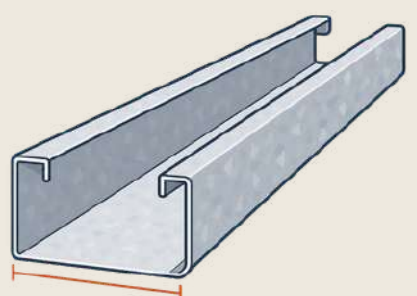
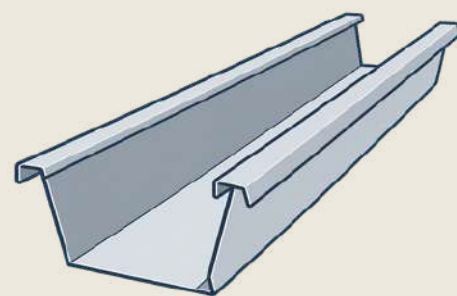
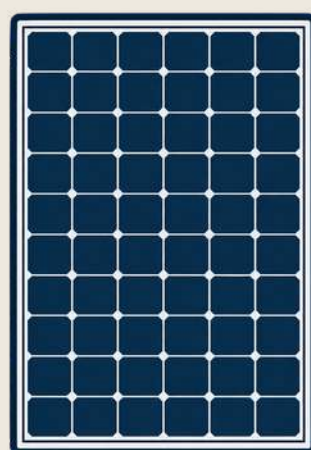


ENGINEERED TO PERFORM

SOLARAS A ROOF



SAAR KIT



FEATURES



Cost- Effective



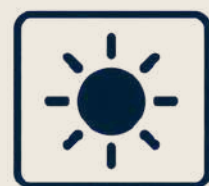
Leak- Proof



Sustainable



Ease of
Maintainance



Daylight
penetration



Better space
and energy
utilization

SIZE

2278 X 1134 X 30 mm

WATTAGE

600 Wp

CELL TYPE

Topcon >25% Efficiency

WEIGHT

56 Kg

PRODUCT WARRANTY

12 Years

PERFORMANCE WARRANTY

25 Years

Products portfolio Pdf



BUILDINGS TODAY. ENERGY FOR GENERATIONS.

BUILDING
STANDARDS

25+ YEARS
PERFORMANCE LIFE

LOWER
CARBON FOOTPRINT

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www.aeliusturbina.com

AELIUS

ENERGY GENERATING AESTHETIC SURFACES

Sustainable by design. Awake at dawn.

