

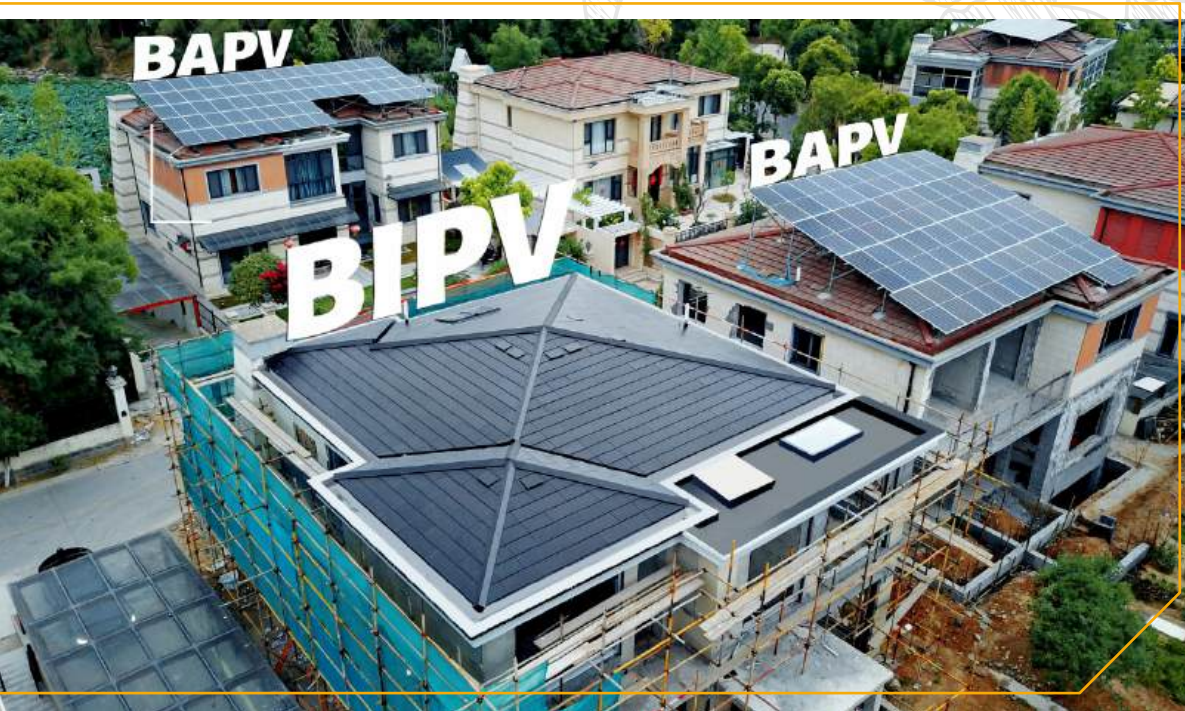


SUNLIT
INTEGRATED SOLAR SOLUTIONS

The Perfect Integration of
Architectural Aesthetics & BIPV Technology

Invisible Solar, Visible Luxury

**Lumina Slate Series -
Premium Invisible Solar
Roof Tiles**



25-Year Warranty ■ Energy Independence ■ Global Shipping

- 01** ● **Your Direct BIPV Invisible Energy Manufacturer**
- 02** ● **The Ultimate Aesthetic Choice to Boost Property Value**
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01 Your Direct BIPV Invisible Energy Manufacturer

Sunlit Solar Roof is a professional Building-Integrated Photovoltaics (BIPV) manufacturer headquartered in China. We understand the rigorous demands of the global real estate market for premium building materials. As of 2026, we have successfully delivered over 100 high-end residential projects globally.

As a direct-to-market factory, we eliminate middlemen. This allows builders, roofing contractors, and developers to access solar roofing that rivals or exceeds top international brands at highly competitive factory-direct pricing.



02 The Ultimate Aesthetic Choice to Boost Property Value

For premium real estate, traditional solar panels look like ugly patches that ruin architectural harmony. The Lumina Slate Series completely changes the game.

Featuring a unique light gray slate texture and a fully invisible design, it achieves zero visible solar cells or wiring. From any angle, it looks exactly like luxurious natural slate—yet it continuously generates green electricity, helping homeowners achieve energy independence without compromising aesthetics.

Details



03 Core Performance and Commercial Advantages



Ultimate Aesthetics:

Anti-glare frosted glass, seamlessly integrating with premium architectural designs.



Cost-Offsetting Upgrade:

Completely replaces traditional premium tiles. Your actual investment is only the incremental cost of the solar upgrade, dramatically accelerating ROI.



Lightweight & Structural Savings:

Significantly lighter than natural slate, lowering roof load-bearing requirements and saving framing reinforcement costs.



High Power Output:

Cell efficiency $\geq 21\%$, maximizing roof power output.



Extreme Weather Defense:

Category 15 typhoon tested, resistant to 35mm hail impact.



Zero Maintenance:

Rainwater self-cleaning surface, requiring virtually no manual maintenance.



Green Premium:

Reduces ~0.8-1 ton CO₂ per kW annually, helping projects earn LEED/BREEAM certifications.

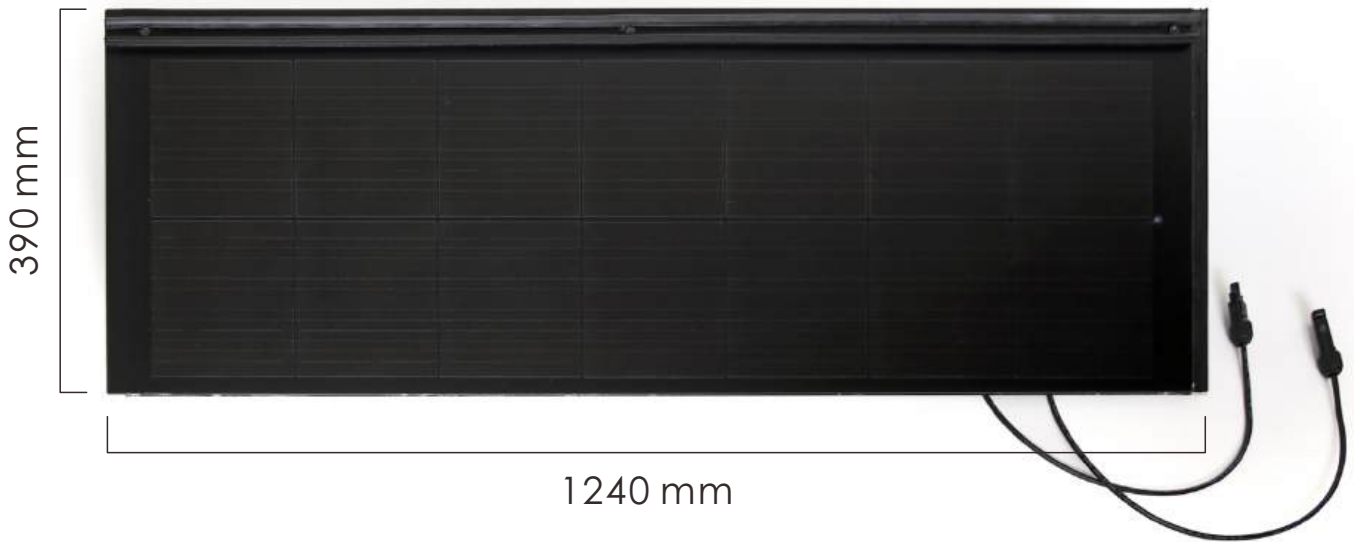


Worry-Free Warranty:

25-year global product warranty and 25-year leak-proof guarantee.

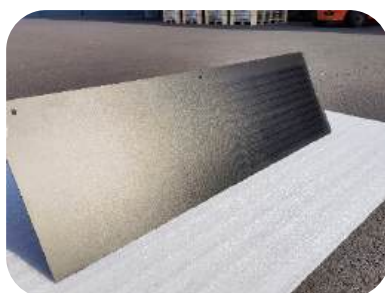
04 Technical Specifications

1240 mm × 390 mm



630 mm × 390 mm












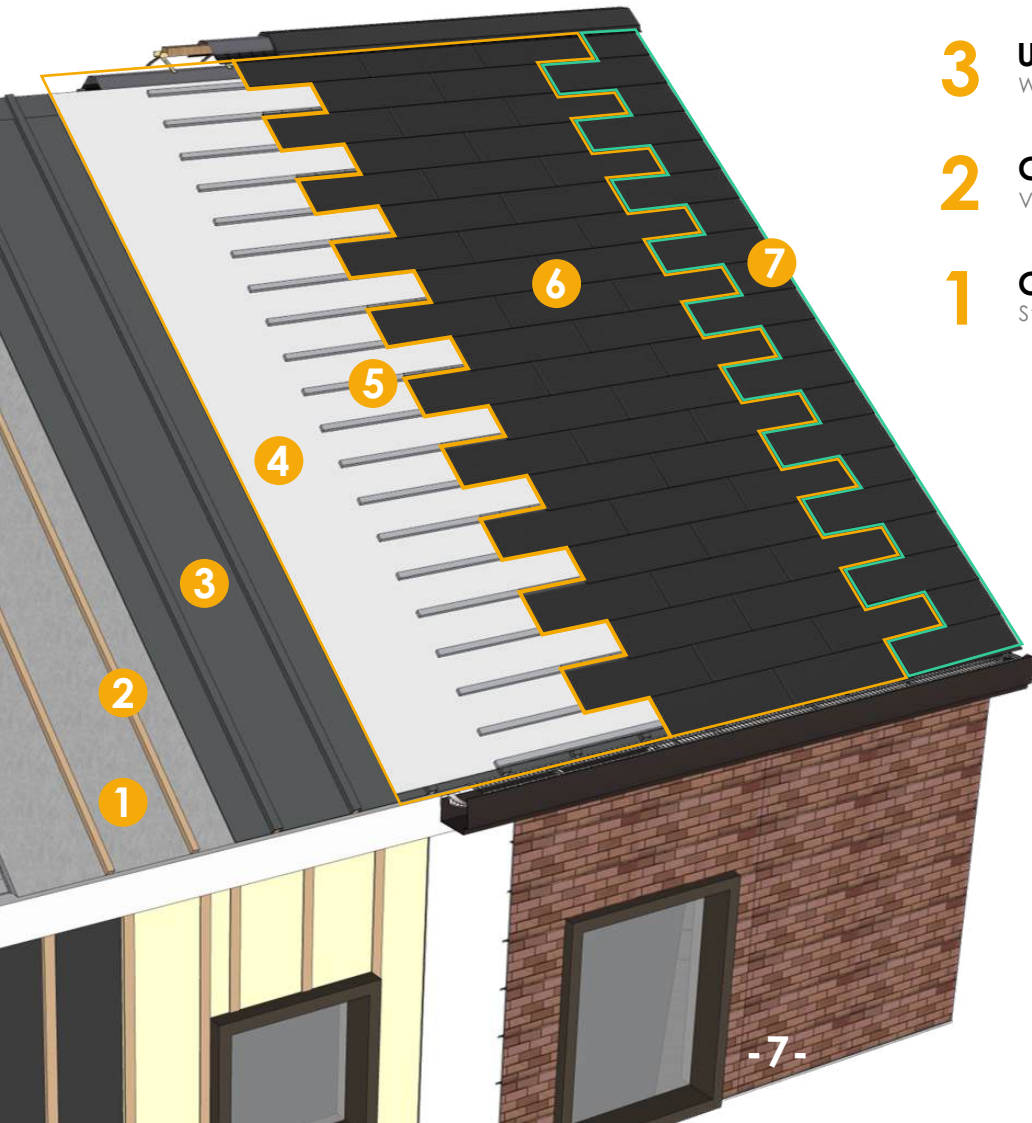
Parameter	Details
Appearance Color	Light Gray Slate Texture
Surface Treatment	Anti-glare Frosted Glass
Tile Dimensions	1240 mm × 390 mm × 6.2 mm
Tile Weight	6.0 kg
Power per Tile	70 W
Power Density (per m ²)	170 W/m ²
Cell Efficiency	≥ 21%
Wind Resistance	Category 15 typhoon tested
Hail Resistance	35mm hail impact tested
Installation Method	Click-interlock system
Warranty	25-year product & linear power warranty
Certifications	TÜV, CE, UL, RoHS, etc.

05 The Complete Lumina Slate System Anatomy

A fully integrated, weather-tight roofing system designed for seamless installation and ultimate durability.

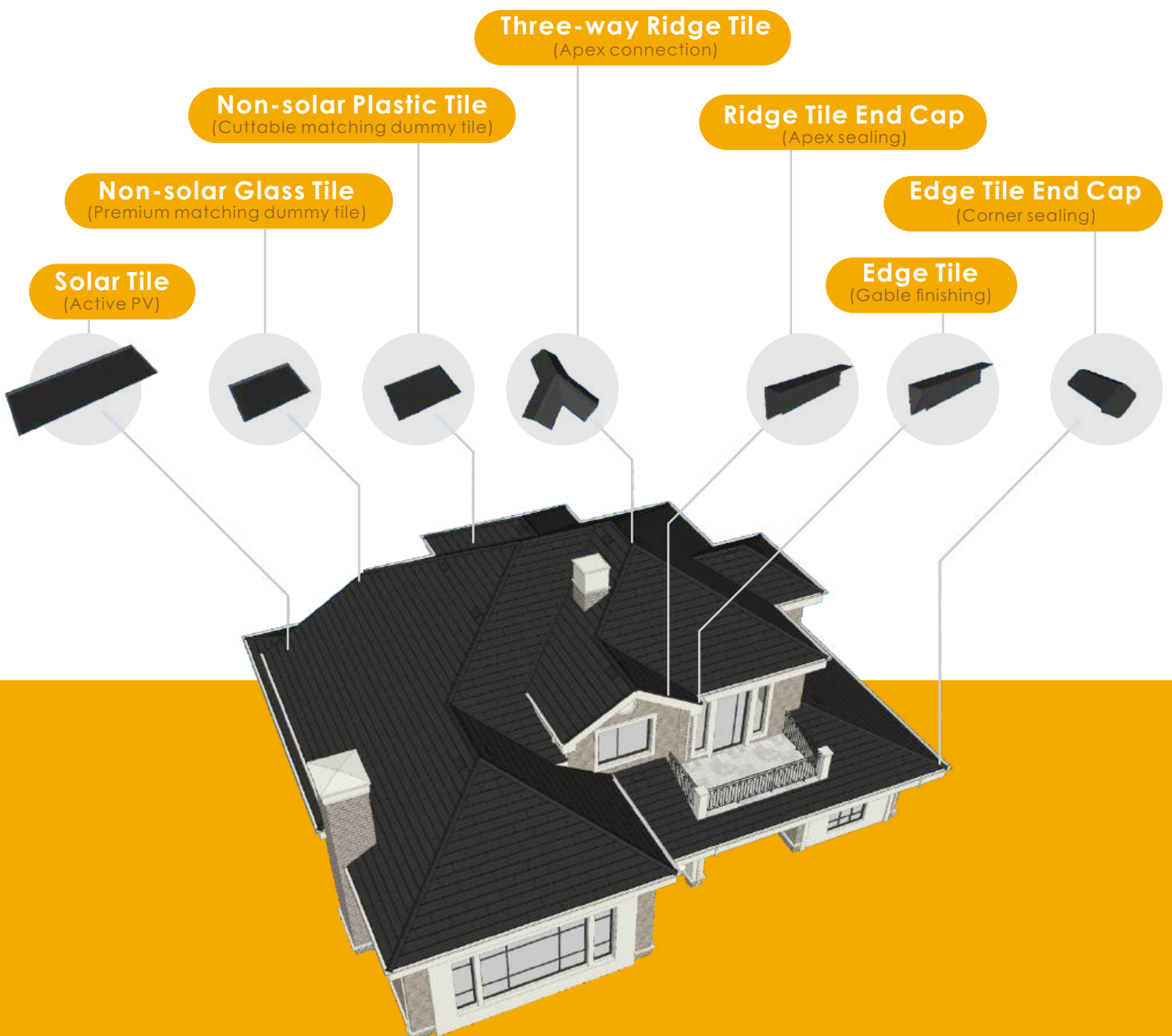
Part 1 Layout for 7-tier roof section view

- 7 Matching Tiles**  Seamless aesthetic integration
- 6 Lumina Slate Solar Tiles**  Active power generation
- 5 Batten**  Tile support
- 4 Underlayment**  Waterproof & insulated
- 3 Underlayment**  Waterproof & breathable
- 2 Counter Batten**  Ventilation layer
- 1 Concrete/Wood Base**  Structural deck



Part 2:

Layout for full roof components leader drawing



06 Installation Made Simple: Save 30%-50% on Labor Costs

Lack a specialized PV team? That is no longer a barrier. The Lumina Slate system is designed for conventional roofers. It installs exactly like traditional premium slate tiles—just slide, click, and connect the built-in plug-and-play wiring, leaving the final grid connection to a certified electrician.

Step1 Prepare roof deck & underlayment



Step2 Row-by-row click installation



Step3 Connect concealed wiring

Step4 Inverter & grid connection

07 Reference Installations and Budget Guide

Typical configurations designed to fully cover daily electricity usage, paired with energy storage for true energy independence.

Case 1 Medium Premium Villa

Total Roof Area: 240 m²

Recommended Solar Capacity:
12 kW (Active PV + Matching Dummy Tiles)

Est. Annual Generation:
14,000 - 17,000 kWh (Based on average US/EU daylight)

Recommended Storage: 20 kWh

Ref. Complete System Cost:
Ref. Material Cost (Roofing Only): USD 25,000 (Excludes Inverter & Storage)



Case 2 Large Luxury Estate

Total Roof Area: 400 m²

Recommended Solar Capacity:
25 kW (Active PV + Matching Dummy Tiles)

Est. Annual Generation:
28,000 - 35,000 kWh (Based on average US/EU daylight)

Recommended Storage: 30 kWh

Ref. Complete System Cost:
Ref. Material Cost (Roofing Only): USD 36,000 (Excludes Inverter & Storage)



Disclaimer

Pricing Terms:

All reference prices are based on EXW (Ex Works) terms. Shipping, customs duties, and local logistics are quoted separately based on your location.

Inverter & Storage Policy:

To ensure optimal system compatibility and responsive after-sales warranty support, our reference quotes do not include inverters and battery storage. We highly recommend sourcing these electrical components from qualified local suppliers in your market. Our technical team will provide full system specifications to perfectly assist your local installer.

Disclaimer:

Final power generation and exact quotes depend on specific roof pitch, shading, local climate, and final layout.

08 How to Become Our Global Partner

We sincerely invite global roofing contractors, builders, and real estate developers to partner with us. Enjoy high profit margins, flexible cooperation models, and direct factory support (No MOQ).



Q₁: Does installation require special tools or PV teams?

A₁: No. Regular roofers can install them using standard roofing tools.



Q₂: Is it truly indistinguishable from solar panels?

A₂: Yes. It looks identical to natural slate from any street-level angle.



Q₃: Can it be used for roof renovation projects?

A₃: Absolutely. Directly replaces existing tiles.



Q₄: How does the warranty policy work?

A₄: We offer a **25-year** global warranty covering product performance and leak-proof guarantees.




Start Your Invisible Energy Revolution
& Seize the Market

Contact Us

 **Website:** www.sunlitsolarroof.com

 **Email:** info@sunlitsolarroof.com

 **WhatsApp:** +86 17729920083

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- The sample fee is fully deductible from your first official project order.