



PERLIGHT SOLAR
Powering Possibilities



Solar Facade

Customized POE/PVB Double Glass Series
ODM/OEM Acceptable

ADVANTAGES

Solar Advantage

High power
Good heat dissipation
Less hot spot effect

High Structural Strength

Double glass
Impact resistance
Mechanical load resistance

High Reliability

Excellent corrosion resistance
No risk in transportation

Long Life Cycle

No micro crack
Low power degradation

Building Safety

Meet curtain wall standard
High fire rating

Building Integration

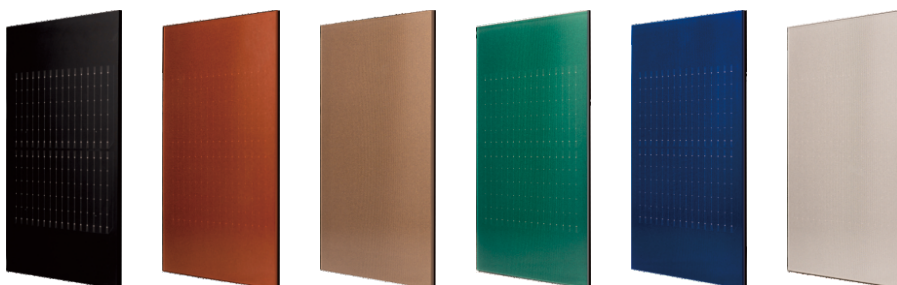
Design according to
building integration standard

Architecture Aesthetics

Elaborate design
and integrated

Customized

Size, thickness, shape,
transparency and color
could be customized



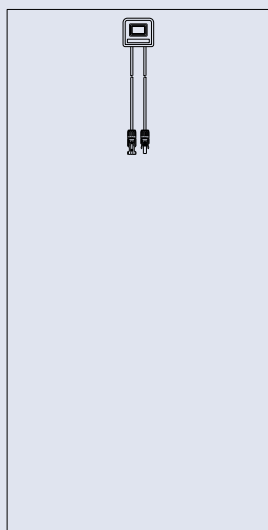
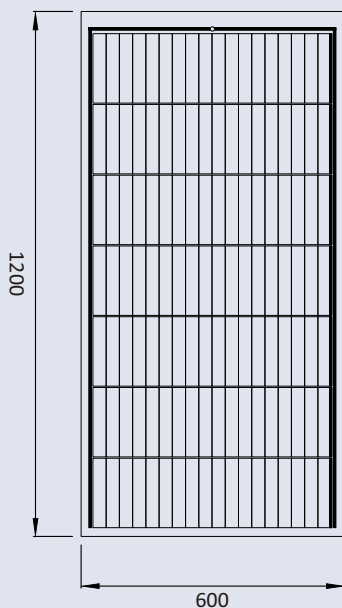
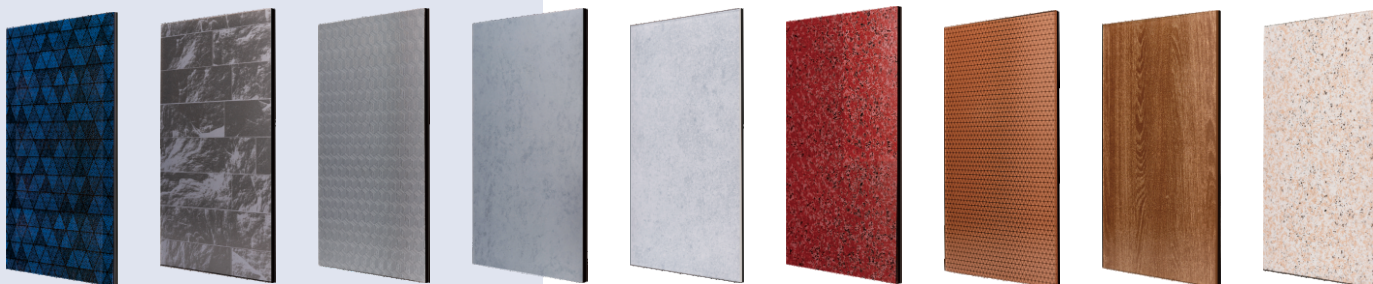
40⁺

More Than 40 Years Manufacturing
Experience Of Baolite Group Since 1982



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Multiple colors available



Perlight Partners

Electrical Characteristics (STC*)

Maximum Power at STC (Pmp)	130	125	120
Cell Cut	158.75 / 5	158.75 / 5	158.75 / 5
Cell Quantity	7×18=126	7×18=126	7×18=126
PV Module Efficiency	18.06%	17.36%	16.67%
Maximum Power Voltage (Vmp)	10.71	10.37	10.02
Maximum Power Current (Imp)	12.14	12.06	11.98
Open Circuit Voltage (Voc)	13.29	12.86	12.43
Short Circuit Current (Isc)	12.71	12.63	12.54

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum.
Power tolerance: ±5%

Temperature Characteristics

Isc Temperature Coefficient	+0.05%/°C
Voc Temperature Coefficient	-0.30%/°C
Pmax Temperature Coefficient	-0.35%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Operating Characteristics

Max. System Voltage	DC1000V
Limiting Reverse Current	25A
Operating Temperature Range	-40°C~85°C
Max. Static Load Front (e.g., Snow)	3600Pa
Max. Static Load Back (e.g., Wind)	1600Pa
Max. Hailstone Impact (Diameter / Velocity)	25mm / 23m/s

Mechanical Characteristics

Solar Cell Type	PERC 158.75/5
Module Dimensions (L/W/H)	1200×600×7.5mm
Front Cover & Back Sheet	3.2mm low-iron tempered glass / 3.2mm tempered glass
Module Weight	12.6KG
Junction Box	IP 68 1 diodes
Cables	4 mm ² 350-900 mm
Connectors	MC4

Package

Container	40'HQ
Pieces Per Big Pallet	105pcs panels (35×3)
Big Pallets Per Container	18
Pieces Per Container	1890pcs panels

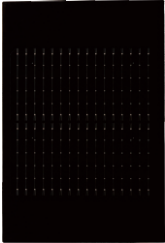
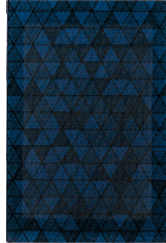
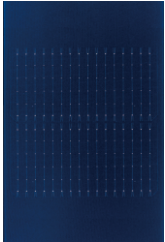
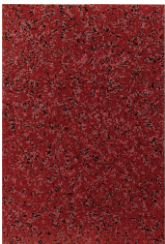
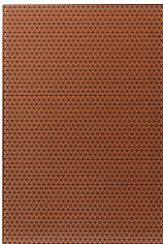
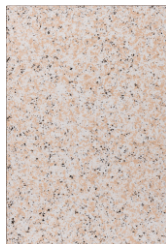


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PERLIGHT COLOR CARD

Customized POE/PVB Double Glass Series

Multiple colors available

 ACID ETCH GLASS Transmittance 90%	 DARK GREY BRICK Transmittance 46-64%	 BLUE GEOMETRY GRADUAL Transmittance 82-88.5%
 BLUE #32 Transmittance 74.6%	 GREEN#27 Transmittance 61.4%	 RAL8004 Transmittance 51.4%
 RED-GRANITE Transmittance 25-35%	 ORANGE GEOMETRY Transmittance 52-56%	 WOOD GRAIN Transmittance 42-52%
 CBCC0136 Transmittance 61.3%	 CBCC1371 Transmittance 46%	 ZYJ-STONE Transmittance 10-15%
 CT STONE Transmittance 45-50%	 WHITE-TERRAZZO Transmittance 20-23%	 3D-LINE Transmittance 55.16%



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The SA8000[®] Standard helps secure ethical working conditions for millions of workers globally. Established by Social Accountability International, the Standard leverages the power of businesses and consumers to purchase products or services from workplaces that enrich the livelihoods of people.

As a Sedex member we are committed to being a responsible business, sourcing responsibly, and improving ethical standards and working conditions within the supply chain.

Sedex | Member



EcoVadis is a globally recognized corporate sustainability performance assessment standard.

We Are PERLIGHT

20

20 Years On Green & Sustainable Development

15 GW

Accumulative Global Sales Reach 13Gw

10+

More Than 10 Certificates For Global Market

100+

Our Customers All Over 100 Countries As Of 2025

TOP5

Rank Top 5 In 8 Countries

WORLD FIRST

World First Tuv Certificate For All Black PV Module



Insurance

