

## Building integrated photovoltaic glazing



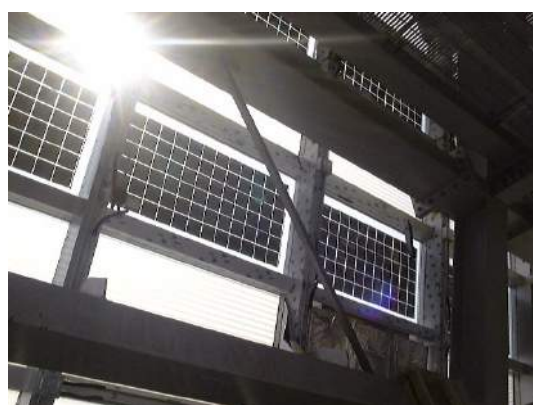
eco-BIPV series



Crystalline solar cells are laminated between two sheets of glass where natural light will pass through the glass among cells. Glass type, size, thickness are custom made to suit different architectural needs.

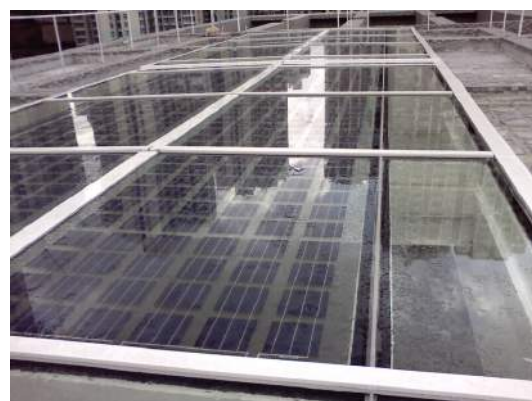
eco-BIPV glazing is in form of typical double glass laminate with PV cells laminated in between.

It generates free and zero-carbon solar electricity as well as install as a building material to create an innovative visual image and displace the cost of traditional glazing material.



BIPV can be applied in various applications:  
Skylight, canopy, curtain wall, shelter,  
fencing, etc.

## Skylight



Jordan Valley St Joseph Catholic Primary  
School, Kowloon Bay, Hong Kong  
Power output: 2.5kWp

## Canopy



Pump station at Chung Mun Road, Tung  
Chung, Hong Kong  
Power output: 1.8kWp



### Curtain wall



No.1 Peking Road, Hong Kong  
Power output: 8kWp

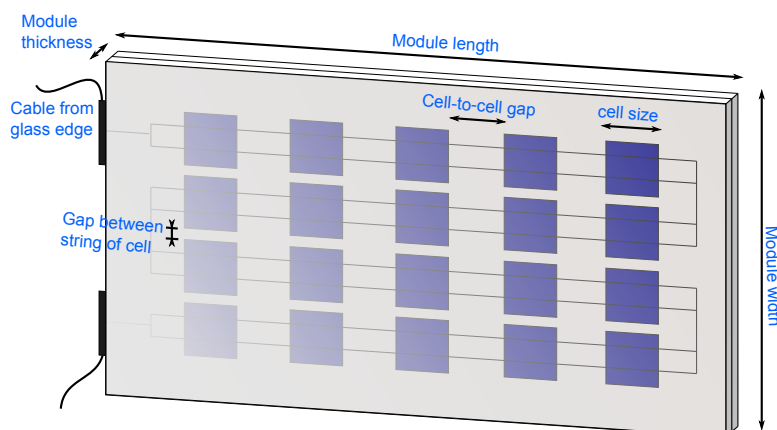
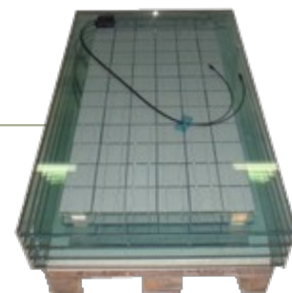
### Shelter



La Salle Road, Kowloon Tong, Hong Kong  
Power output: 2.5kWp

## Specifications

Model	eco-BIPV
Module length	Max. 2m
Module width	Max. 1m
Front glass thickness	Max. 10mm
Front glass heat treatment	Heat-strengthened / Fully-tempered
Front glass type	Ultra-clear low iron
Back glass thickness	Max. 10mm
Back glass treatment	Heat-strengthened / Fully-tempered
Back glass type	Clear / tinted
Encapsulation material	PVB / EVA
Type of cell	Monocrystalline / Polycrystalline silicon
Cell size	156mm x 156mm
Cell efficiency	Max. 20%
Cell power output	Max. 4.78Wp
Module power output	Cell power output x no. of cell per module x glass loss
Cable connection	Edge of glass
Cell-to-cell gap	3mm to 30mm
Gap between strings of cell	Min. 4mm



Model number designation:

eco-BIPV-121-28/6M-1.67/0.95-10/10-FT

