



MSK Solar Design Line™

# Light Thru™

Photovoltaic Glazing

Flexible Solutions for Solar Glass

Light Thru solar modules are both a power generator and an aesthetic sunshade in one architecturally refined package. With the flexibility to specify the desired size, solar cell type and transparency, Light Thru gives you freedom in solar design.

## Reasons to choose Light Thru

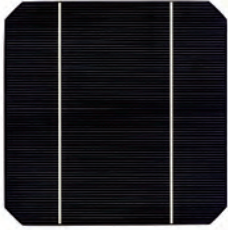

Solar Cells and Glass Combine to Create a Striking Appearance

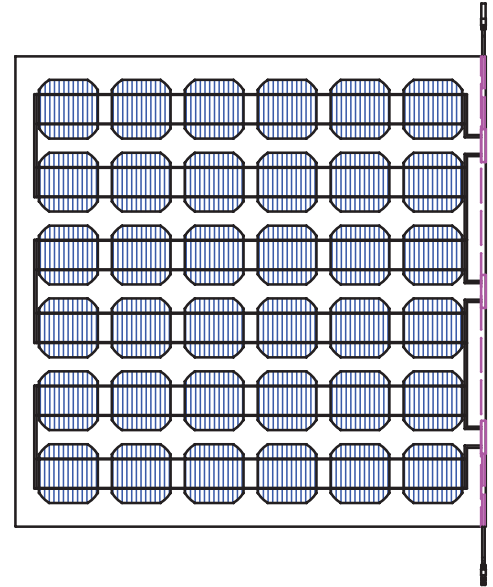
- Inherent Shading Capability
- Made to Your Specifications
- Available in Polycrystalline or Monocrystalline
- Reduction in Building Costs
- Hassle-free installation



 **SUNTECH**

**Light Thru solar modules are custom built to your specification. Design options available are:**

<b>Glass</b>	Any size up to 2000x3000mm Thickness 3.2mm+3.2mm up to 12mm+12mm Colored or fritted glass may be used on rear Double insulated units are also available	
<b>Solar Cells</b>	Monocrystalline 125mm  Other cell colors are available on request	Polycrystalline 156 mm 
<b>Encapsulation</b>	EVA or PVB	
<b>Solar Cell Spacing</b>	Minimum 4mm, no maximum. Wider cell spacing results in higher transparency	
<b>Connections</b>	Cables exit from a junction box which may be mounted on the rear or the edge of the glass.	



**There are a limitless number of possible Light Thru designs. The table below shows some typical examples**

<b>Length (m)</b>	1	1	1	2	2	2	3	3	3
<b>Width (m)</b>	1	1	1	1.5	1.5	1.5	2	2	2
<b>Cell spacing (mm)</b>	4	15	30	4	15	30	4	15	30
<b>Transparency (%)</b>	25	45	45	18	30	45	18	26	43
<b>Solar Cells (No)</b>	7x7	6x6	6x6	11x15	10x14	9x12	15x22	13x21	12x19
<b>Pmax (W)</b>	109	80	80	368	312	241	736	609	509
<b>Vpm (V)</b>	25.0	18.4	18.4	84.2	71.4	55.1	168.3	139.2	116.2
<b>Ipm (A)</b>	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
<b>Voc (V)</b>	30.1	22.1	22.1	101.5	86.1	66.4	203.0	169.7	140.2
<b>Isc (A)</b>	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80
<b>Wind load (Pa)</b>	27,563	27,563	27,563	9,188	9,188	9,188	4,594	4,594	4,594
<b>Snow load (Pa)</b>	18,375	18,375	18,375	6,125	6,125	6,125	3,063	3,063	3,063

Loads assume module is fixed on all four sides. Glass thickness 5mm+5mm tempered, 125mm mono cells



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