
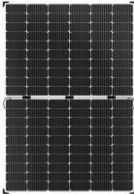
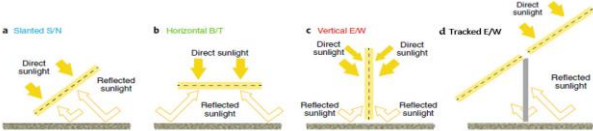
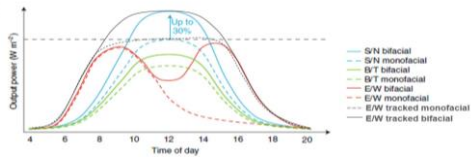






GLASS-GLASS PANEL

	Glass-Glass panel with frame	Glass-Glass panel frameless															
Technology	Both front and back surfaces of the module are capable of generating electricity, the rear side power gain depends on mounting(structure, height, tilt angle and etc.) and albedo of the ground, the energy gain is up to 30%.																
Appearance																	
Possibilities for installation of bifacial modules	<p>S/N means South/North, B/T is Bottom/Top and E/W is East/West.</p> 																
Energy yield comparison for different installation geometry(monofacial vs bifacial)																	
Energy gain comparison for different installation geometry	<table border="1"> <thead> <tr> <th>Installation Geometry</th> <th>Monofacial [%]</th> <th>Bifacial [%]</th> </tr> </thead> <tbody> <tr> <td>Fixed tilt (flat roof)</td> <td>100</td> <td>105-115</td> </tr> <tr> <td>Fixed tilt (utility scale)</td> <td>100</td> <td>107-130</td> </tr> <tr> <td>Vertical (utility scale)</td> <td>40-50</td> <td>95-140 *</td> </tr> <tr> <td>HSAT</td> <td>110-122</td> <td>117-145</td> </tr> </tbody> </table>		Installation Geometry	Monofacial [%]	Bifacial [%]	Fixed tilt (flat roof)	100	105-115	Fixed tilt (utility scale)	100	107-130	Vertical (utility scale)	40-50	95-140 *	HSAT	110-122	117-145
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Application Scenarios	<p>Horizontal(residential solar sun rooms, carports, pergola)</p> 																
Fixed tilt: roof and ground mount	<p>The surface installing on is reflective, such as white roof, snow, sand, or other light-colored surfaces.</p> 																
Vertical(Agricultural PV)	<p>Making use of low ground coverage ratio as in agricultural PV where the land is also used for farming, the panel is not being covered by snow in such installation</p> 																
HSAT(Horizontal single axis tracker)	<p>The highest energy production</p> 																
Benefits of bifacial panel	<ol style="list-style-type: none"> gain energy up to 30% from rear side per installed watt. better performance in extreme weather conditions such as high humidity, acid rain and salt mist. zero water permeability, 0.2% lower power loss than conventional panel, life span can last to 30 years better mechanical properties in insulativity, abrasive resistance, waterproofness, load capacity and fire resistance. bigger thermal capacity can reduce heat spot effect the frameless designed double-glass panel can largely reduce PID possibility 																