



# TECHNICAL DATA - GL.01

## AMORPHOUS SILICON TECHNOLOGY

<b>PHOTOVOLTAIC GLASS</b>		<b>1245 x 1849</b>
	<b>S</b>	<b>Clear-10%</b>
<b>Electrical data test conditions (STC)</b>		
Nominal peak power	109	P <sub>mpp</sub> (Wp)
Open-circuit voltage	140	V <sub>oc</sub> (V)
Short-circuit current	1,15	I <sub>sc</sub> (A)
Voltage at nominal power	105	V <sub>mpp</sub> (V)
Current at nominal power	1,04	I <sub>mpp</sub> (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m <sup>2</sup> , AM 1.5 and a cell temperature of 25°C, stabilized module state.		
<b>Mechanical description</b>		
Length	1245	mm
Width	1849	mm
Thickness	36,72	mm
Surface area	2,30	sqm
Weight	142,26	Kgs
Cell type	α-Si	Thin Film
Transparency degree	S	Clear-10%
Front Glass	6 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	6 mm	Tempered Glass
Gas Spacer	12 mm	Air Chamber
Inner Glass	4 mm	Float Glass Low-e
Inner Glass	4 mm	Float Glass
Thickness encapsulation	1,52 mm	PVB Foils
Category / Color code		
<b>Junction Box</b>		
Protection	IP65	
Wiring Section	2,5 mm <sup>2</sup> or 4,0 mm <sup>2</sup>	
<b>Limits</b>		
Maximum system voltage	1000	V <sub>sys</sub> (V)
Operating module temperature	-40...+85	°C
<b>Temperature Coefficients</b>		
Temperature Coefficient of P <sub>mpp</sub>	-0,19	%/°C
Temperature Coefficient of V <sub>oc</sub>	-0,28	%/°C
Temperature Coefficient of I <sub>sc</sub>	+0,09	%/°C

\*All technical specifications are subject to change without notice by Onyx Solar

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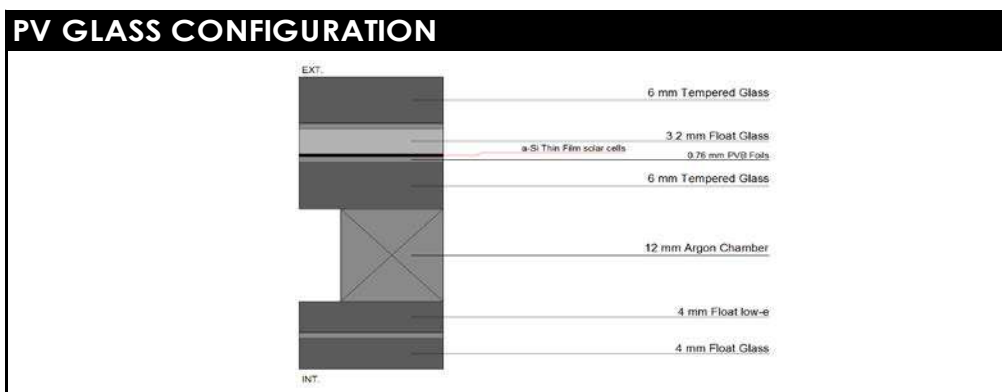
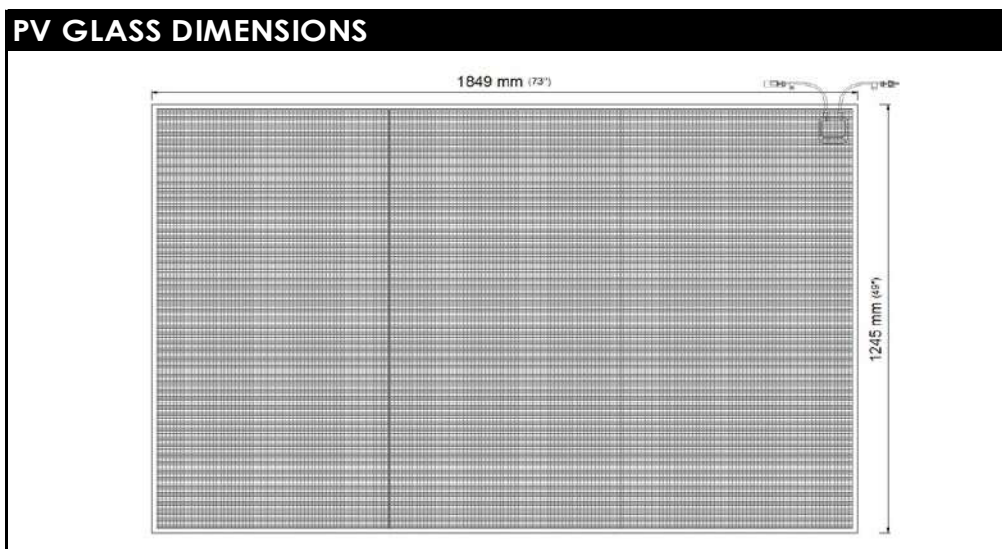
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GLASS PROPERTY	Onyx Equivalent Glass
Solar Factor/SHGC	10%
Light Transmission	10%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	1,2
Peak Power [Wp/sqm]	47

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