



## TECHNICAL DATA - GL.01

<b>PHOTOVOLTAIC GLASS</b>		<b>766 x 2200</b>
		<b>L Vision (20%)</b>
<b>Electrical data test conditions (STC)</b>		
Nominal peak power	57	$P_{mpp}$ (Wp)
Open-circuit voltage	171	$V_{oc}$ (V)
Short-circuit current	0,60	$I_{sc}$ (A)
Voltage at nominal power	118	$V_{mpp}$ (V)
Current at nominal power	0,49	$I_{mpp}$ (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	766	mm
Width	2200	mm
Thickness	40	mm
Surface area	1,69	sqm
Weight	89	Kgs
Cell type	α-Si	Thin Film
Transparency degree	L	Vision (20%)
Front Glass	5 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	5 mm	Tempered Glass
Air Chamber	15mm	Argon Chamber
Inner Glass	4 mm	Float Glass Low-e
Inner Glass	4 mm	Float Glass
Thickness encapsulation	1,52 mm	PVB Foils (x3)
Category / Color code	N/A	
<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	$V_{sys}$ (V)
Operating module temperature	-40...+85	°C
Max. Series Fuse	3	A
<b>Temperature Coefficients</b>		
Temperature Coefficient of $P_{mpp}$	-0,19	%/°C
Temperature Coefficient of $V_{oc}$	-0,28	%/°C
Temperature Coefficient of $I_{sc}$	+0,09	%/°C

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

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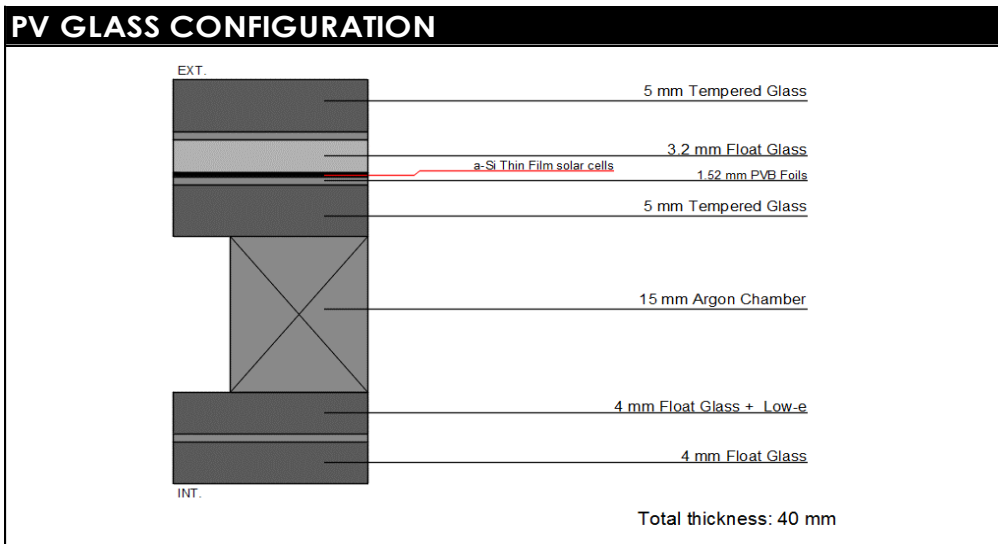
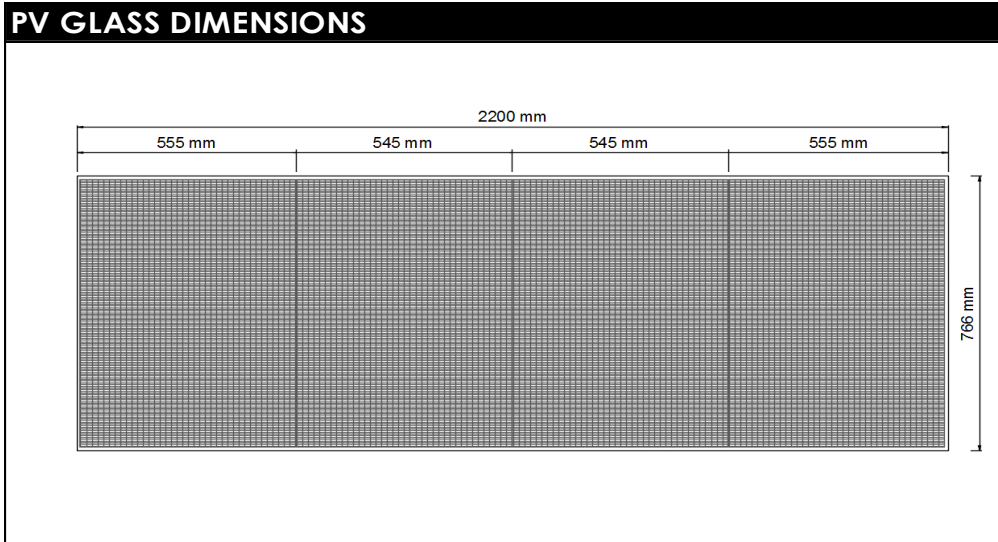


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GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	12%
Light Transmission	16.30%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	1,1
Peak Power [Wp/sqm]	34,0

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