



<b>PHOTOVOLTAIC GLASS</b>		<b>1245 x 1242</b>
	<b>L</b>	<b>Vision (20%)</b>
<b>Electrical data test conditions (STC)</b>		
Nominal peak power	53	P <sub>mpp</sub> (Wp)
Open-circuit voltage	97	V <sub>oc</sub> (V)
Short-circuit current	0,97	I <sub>sc</sub> (A)
Voltage at nominal power	67	V <sub>mpp</sub> (V)
Current at nominal power	0,79	I <sub>mpp</sub> (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m <sup>2</sup> , AM 15 and a cell temperature of 25°C, stabilized module state.		
<b>Mechanical description</b>		
Length	1245	mm
Width	1242	mm
Thickness	43	mm
Surface area	1,55	sqm
Weight	90	Kgs
Cell type	α-Si	Thin Film
Transparency degree	L	Vision (20%)
Front Glass	6 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	6 mm	Tempered Glass
Air Chamber	16 mm	Argon Chamber
Inner Glass	4 mm	Float Glass Low-e
Inner Glass	4 mm	Float Glass
Thickness encapsulation - PV Glass	1,52 mm	PVB Foils (x2)
Thickness encapsulation - IGU	0,76 mm	PVB Foils
<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
Max. Series Fuse	3	A
<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



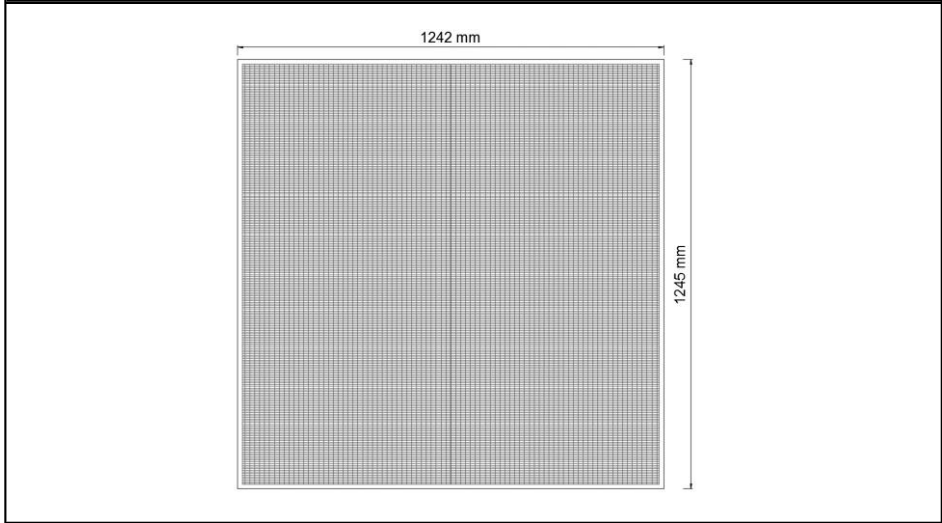
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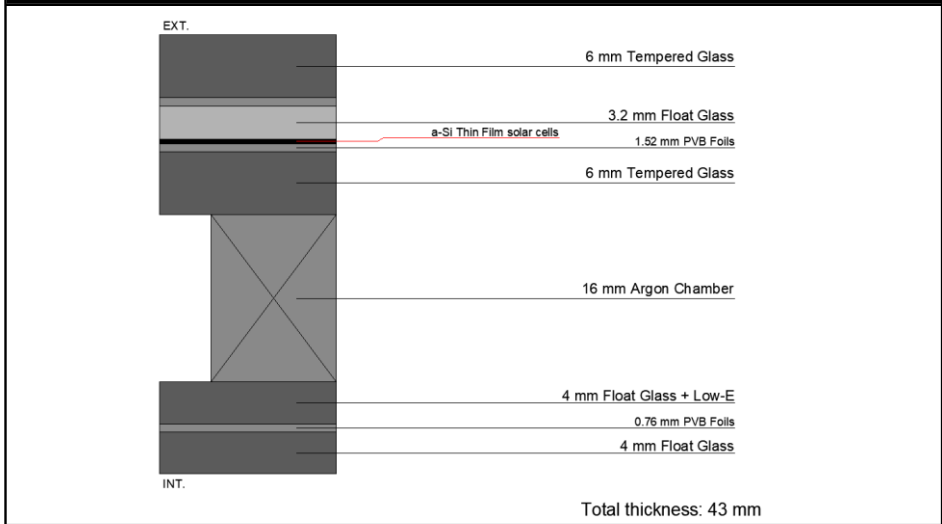
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## PV GLASS DIMENSIONS



## PV GLASS CONFIGURATION



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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