



TECHNICAL DATA - GL.03

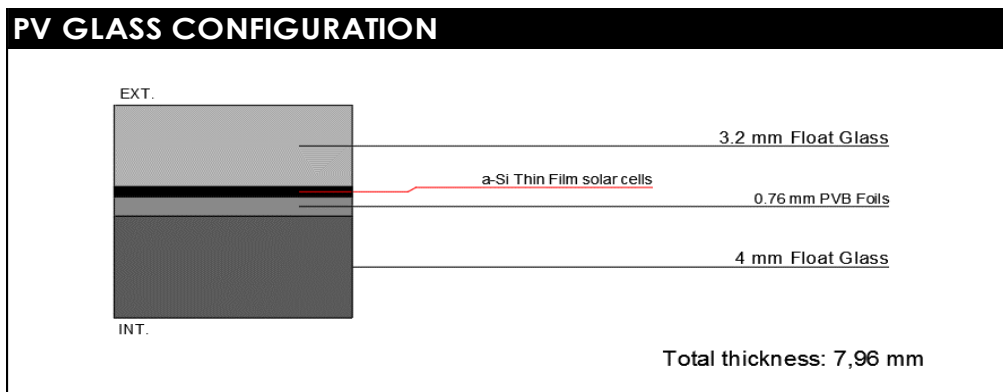
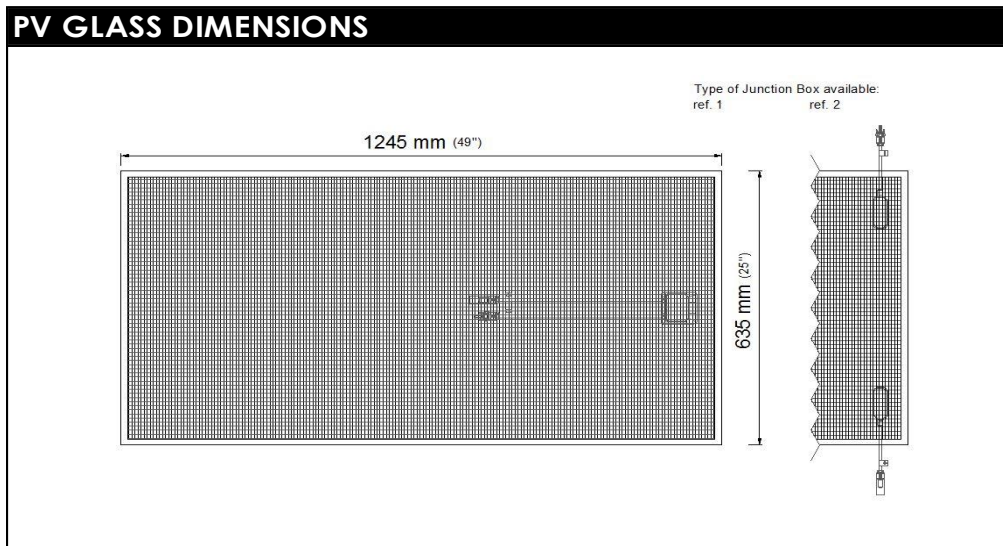
PHOTOVOLTAIC GLASS		1245 x 635	
		Dark	Clear-0%
Electrical data test conditions (STC)			
Nominal peak power	46	P _{mpp} (Wp)	
Open-circuit voltage	50	V _{oc} (V)	
Short-circuit current	1,50	I _{sc} (A)	
Voltage at nominal power	34	V _{mpp} (V)	
Current at nominal power	1,34	I _{mpp} (A)	
Power tolerance not to exceed	±5	%	
STC: 1000 w/m ² , AM 1.5 and a cell temperature of 25°C, stabilized module state.			
Mechanical description			
Length	1245	mm	
Width	635	mm	
Thickness	7,96	mm	
Surface area	0,79	sqm	
Weight	14	Kgs	
Cell type	α-Si	Thin Film	
Transparency degree	Dark	Clear-0%	
PV Active Glass	3,2 mm	Float Glass	
Rear Glass	4 mm	Float Glass	
Thickness encapsulation	0,76 mm	PVB Foils	
Category / Color code			
Junction Box			
Protection	IP65		
Wiring Section	2,5 mm ² or 4,0 mm ²		
Limits			
Maximum system voltage	1000	V _{sys} (V)	
Operating module temperature	-40...+85	°C	
Max. Series Fuse	3	A	
Temperature Coefficients			
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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GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	22.00%
Light Transmission	0.20%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	5,2
Peak Power [Wp/sqm]	57,6

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