



TECHNICAL DATA - GL.01

AMORPHOUS SILICON TECHNOLOGY

PHOTOVOLTAIC GLASS		1245 x 1849	
		Dark	Clear-0%
Electrical data test conditions (STC)			
Nominal peak power	142	P _{mpp} (Wp)	
Open-circuit voltage	140	V _{oc} (V)	
Short-circuit current	1.50	I _{sc} (A)	
Voltage at nominal power	105	V _{mpp} (V)	
Current at nominal power	1.35	I _{mpp} (A)	
Power tolerance not to exceed	±5	%	
STC: 1000 w/m ² , AM 15 and a cell temperature of 25°C, stabilized module state.			
Mechanical description			
Length	1245	mm	
Width	1849	mm	
Thickness	16.72	mm	
Surface area	2.30	sqm	
Weight	87.48	Kgs	
Cell type	α-Si	Thin Film	
Transparency degree	Dark	Clear-0%	
Front Glass	4 mm	Tempered Glass	
PV Active Glass	3,2 mm	Float Glass	
Rear Glass	4 mm	Tempered Glass	
Thickness encapsulation	1,52 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	
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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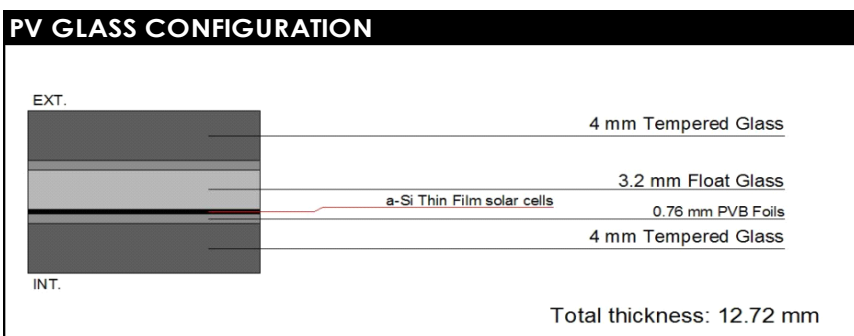
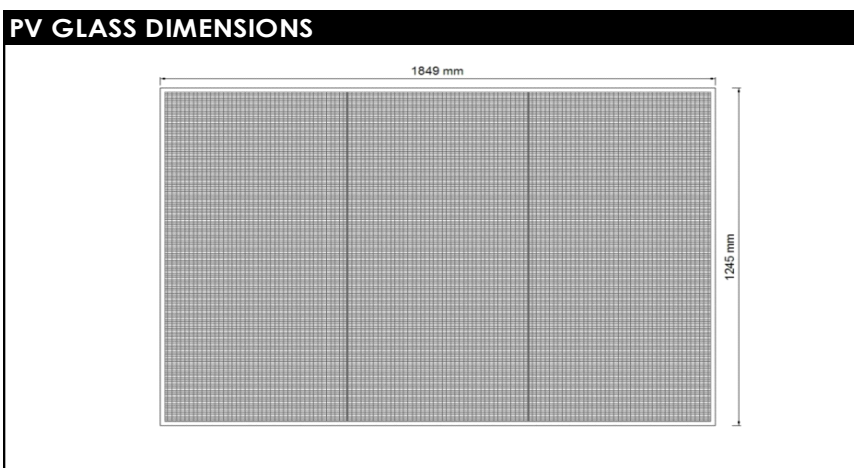
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GLASS PROPERTY	Onyx Equivalent Glass
Solar Factor/SHGC	23.00%
Light Transmission	0.00%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	5.2
Peak Power [Wp/sqm]	61.5

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TECHNICAL DATA - GL.02

CRYSTALLINE SILICON TECHNOLOGY

PHOTOVOLTAIC GLASS		1000 x 2000	
		6" Mono	Crystalline
Electrical data test conditions (STC)			
Nominal peak power	287	P _{mpp} (Wp)	
Open-circuit voltage	42	V _{oc} (V)	
Short-circuit current	9.05	I _{sc} (A)	
Voltage at nominal power	35	V _{mpp} (V)	
Current at nominal power	8.28	I _{mpp} (A)	
Power tolerance not to exceed	± 10	%	
STC: 1000 w/m ² , AM 15 and a cell temperature of 25°C, stabilized module state.			
Mechanical description			
Length	1000	mm	
Width	2000	mm	
Thickness	13.8	mm	
Surface area	2.00	sqm	
Weight	60.00	Kgs	
Cell type	6" Mono	Crystalline	
No PV cells / Transparency degree	66 cells	Clear-0%	
Front Glass	6 mm	Tempered Glass Low-Iron	
Rear Glass	6 mm	Tempered Glass	
Thickness encapsulation	1,80 mm	EVA Foils	
Category / Color code	Dark	frit pattern	
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	
Temperature Coefficients			
Temperature Coefficient of P _{mpp}	-0,451	%/°C	
Temperature Coefficient of V _{oc}	-0,361	%/°C	
Temperature Coefficient of I _{sc}	+0,08	%/°C	

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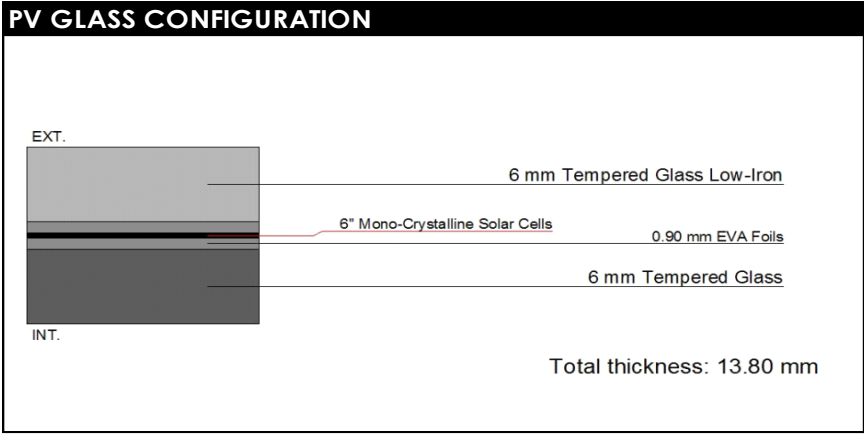
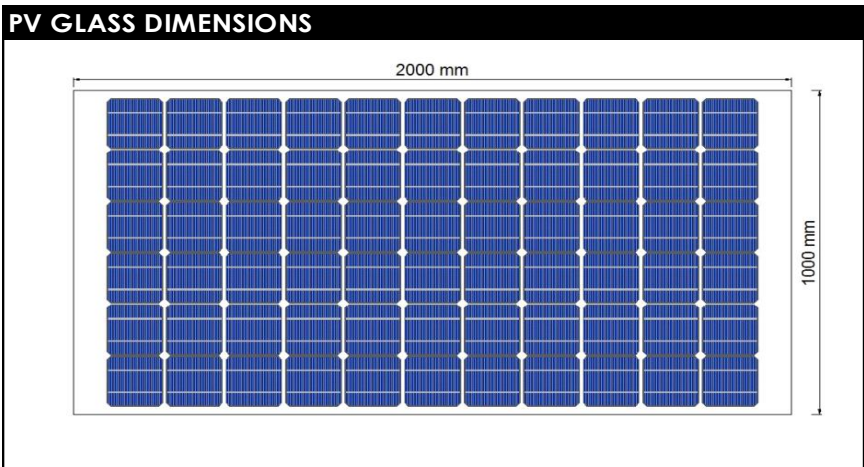
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CRYSTALLINE SILICON TECHNOLOGY



GLASS PROPERTY	Onyx Equivalent Glass
U-value [W/sqm.K]	5.3
Peak Power [Wp/sqm]	143.5

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