



TECHNICAL DATA - CUSTOMIZED TYPE 02

a-Si TECHNOLOGY

PHOTOVOLTAIC GLASS		2800 x 488
Onyx 05	M	Clear-20%
Electrical data test conditions (STC)		
Nominal peak power	54	P _{mpp} (Wp)
Open-circuit voltage	36,89	V _{oc} (V)
Short-circuit current	2,19	I _{sc} (A)
Voltage at nominal power	27,67	V _{mpp} (V)
Current at nominal power	1,96	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	2800	mm
Width	488	mm
Thickness	22,24	mm
Surface area	1,37	sqm
Weight	65,59	Kgs
Cell type	a-Si	Thin Film
Transparency degree	M	Clear-20%
Front Glass	8 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	8 mm	Tempered Glass
Thickness encapsulation	3,04 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

smart solar solutions for buildings

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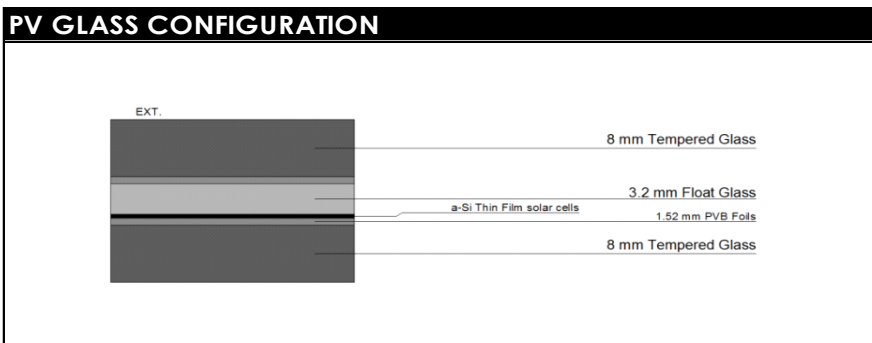
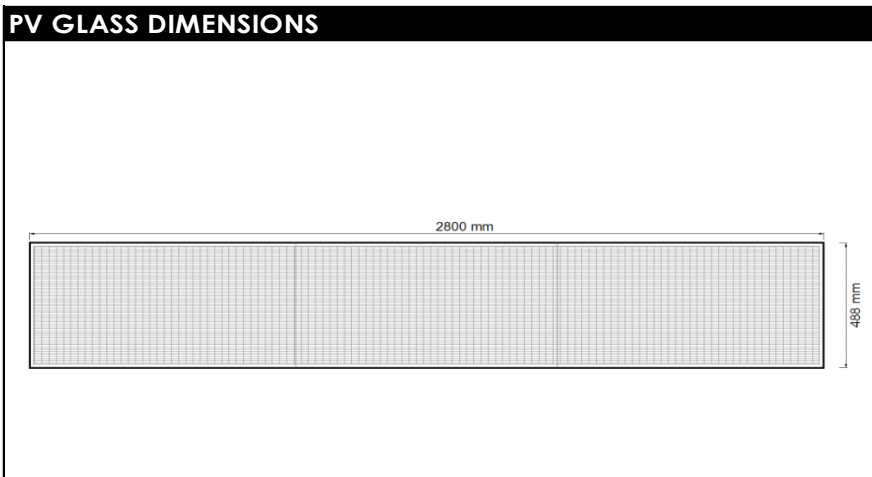
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GLASS PROPERTY	Onyx Equivalent Glass
Solar Factor/SHGC	32%
Light Transmission	20%
UV Transmission	< 1%
Light Reflection	8%
U-value [Btu/h ft ² °F]	5,2
Peak Power [Wp/sqm]	39

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