161005-02AG

TECHNICAL DATA - GL.01

PHOTOVOLTAIC GLASS GL.01	1200 x 600 Dark	Clear-0%
Electrical data test conditions (STC)		
Nominal peak power	41	P_{mpp} (Wp)
Open-circuit voltage	47	V_{oc} (V)
Short-circuit current	1,45	I_{sc} (A)
Voltage at nominal power	32	V_{mpp} (V)
Current at nominal power	1,29	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 1.5 and a cell temperature of 25ºC, stabilized module state.		
Mechanical description		
Length	1200	mm
Width	600	mm
Thickness	7,65	mm
Surface area	0,72	sqm
Weight	14	Kgs
Cell type	a-Si	Thin Film
Transparency degree	Dark	Clear-0%
PV Active Glass	3,2 mm	Float Glass
Rear Glass	4 mm	Float Glass
Thickness encapsulation	0,45 mm	EVA Foils
Category / Color code		Neutral
Junction Box		
Protection	IP65	
Wiring Section	2,5 mm^2 or 4,0 mm^2	
Limits		
Maximum system voltage	1000	Vsys (V)
Operating module temperature	-40…+85	ºC
Temperature Coefficients		
Temperature Coefficient of Pmpp	-0,19	%/ºC
Temperature Coefficient of Voc	-0,28	%/ºC
Temperature Coefficient of Isc	+0,09	%/ºC

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

global leader in building integrated photovoltaic glass

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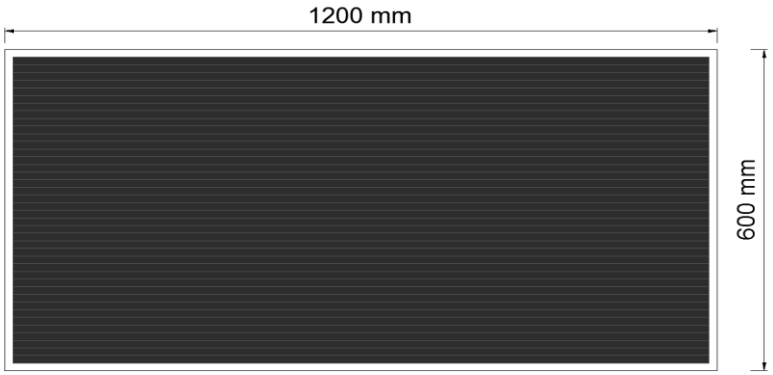
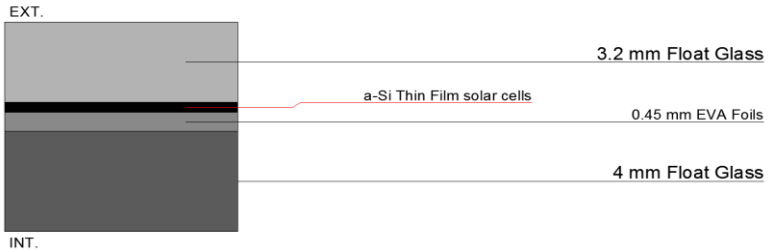
TECHNICAL DATA - GL.01

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



GLASS PROPERTY	Onyx Equivalent Glass
Solar Factor/SHGC	22.00%
Light Transmission	0.20%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	N/A
Peak Power [Wp/sqm]	57,6

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