171026-01MC

TECHNICAL DATA - GL.01.10

PHOTOVOLTAIC GLASS GL.01.10	1245 x 1242 M	 Vision (10%)
Electrical data test conditions (STC)		
Nominal peak power	62	P_{mpp} (Wp)
Open-circuit voltage	97	V_{oc} (V)
Short-circuit current	1,15	I_{sc} (A)
Voltage at nominal power	67	V_{mpp} (V)
Current at nominal power	0,93	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 1.5 and a cell temperature of 25°C, stabilized module state.		
Mechanical description		
Length	1245	mm
Width	1242	mm
Thickness	37,48	mm
Surface area	1,55	sqm
Weight	90	Kgs
Cell type	a-Si	Thin Film
Transparency degree	M	Vision (10%)
Front Glass	6 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	6 mm	Tempered Glass
Air Chamber	12 mm	Air Chamber
Inner Glass	4 mm	Float Glass
Inner Glass	4 mm	Float Glass
Thickness encapsulation	2,28 mm	PVB Foils
Category / Color code	cat. A	0007
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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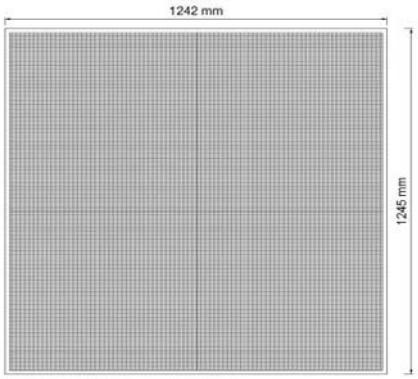
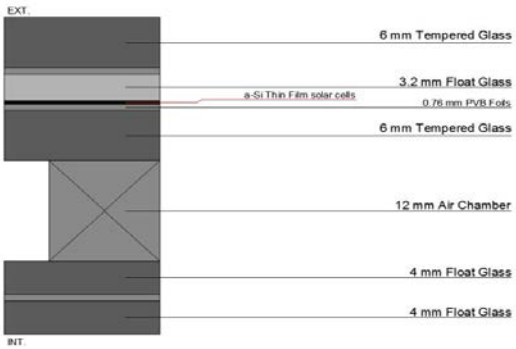
PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



Total thickness: 37.48 mm

GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	11.00%
Light Transmission	10.10%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	2,7
Peak Power [Wp/sqm]	40,0

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