

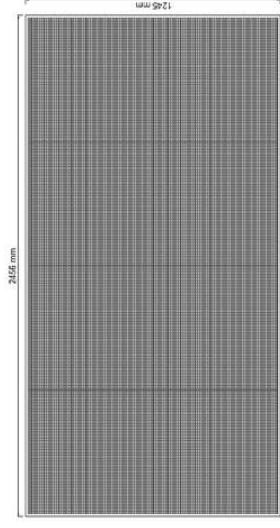
DATA SHEET GL.01

PHOTOVOLTAIC GLASS		1245 x 2456		XL Vision (30%)	
Electrical data test conditions (STC)					
Nominal peak power	85	P_{mp}	Wp		
Open-circuit voltage	191	V_{oc}	V		
Short-circuit current	0.77	I_{sc}	A		
Voltage at nominal power	132	V_{mp}	V		
Current at nominal power	0.65	I_{mp}	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	2456	mm			
Thickness	39	mm			
Surface area	3.06	sqm			
Weight	1.77	Kgs			
Cell type	α -Si	Thin Film			
Transparency degree	XL	Vision (30%)			
Front Glass	6 mm	Tempered Glass			
PV Active Glass	3.2 mm	Float Glass			
Rear Glass	6 mm	Tempered Glass			
Air Chamber	1.2 mm	Air Chamber			
Inner Glass	4 mm	Float Glass Low-e			
Inner Glass	4 mm	Float Glass			
Thickness encapsulation	1.52 mm	PVB Folia (X2)			
Category / Color code		No color			
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_{mp}	-0,19	%/°C			
Temperature Coefficient of V_{oc}	-0,28	%/°C			
Temperature Coefficient of I_{sc}	+0,09	%/°C			

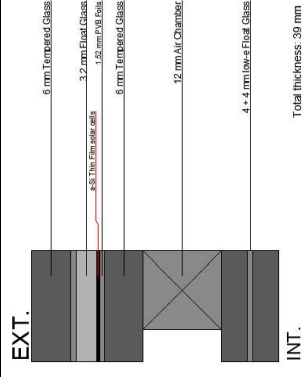
*All technical specifications are subject to change without notice by Onyx Solar



PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	37,00%
Light Transmission	26,70%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	1,6
Peak Power [Wp/sqm]	28,0