



TECHNICAL DATA - GL.01

PHOTOVOLTAIC GLASS		49 x 96 3/4 M Vision (10%)
Electrical data test conditions (STC)		
Nominal peak power	122	P _{mp} (Wp)
Open-circuit voltage	191,45	V _{oc} (V)
Short-circuit current	1,15	I _{sc} (A)
Voltage at nominal power	131,50	V _{mp} (V)
Current at nominal power	0,93	I _{mp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 15 and a cell temperature of 25°C, stabilized module state.		
Mechanical description		
Length	49	inches
Width	96 3/4	inches
Thickness	0,72	inches
Surface area	32,90	sqf
Weight	256,16	Lbs
Cell type	a-Si	Thin Film
Transparency degree	M	Vision (10%)
Front Glass	1/4"	Tempered Glass
PV Active Glass	1/8 "	Float Glass
Rear Glass	1/4"	Tempered Glass
Thickness encapsulation	1/16"	PVB Foils
Category / Color code		
Junction Box		
Protection	IP65	
Wiring Section	2,5 mm² or 4,0 mm²	
Limits		
Maximum system voltage	600	V _{sys} (V)
Operating module temperature	-40...+85	°C
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

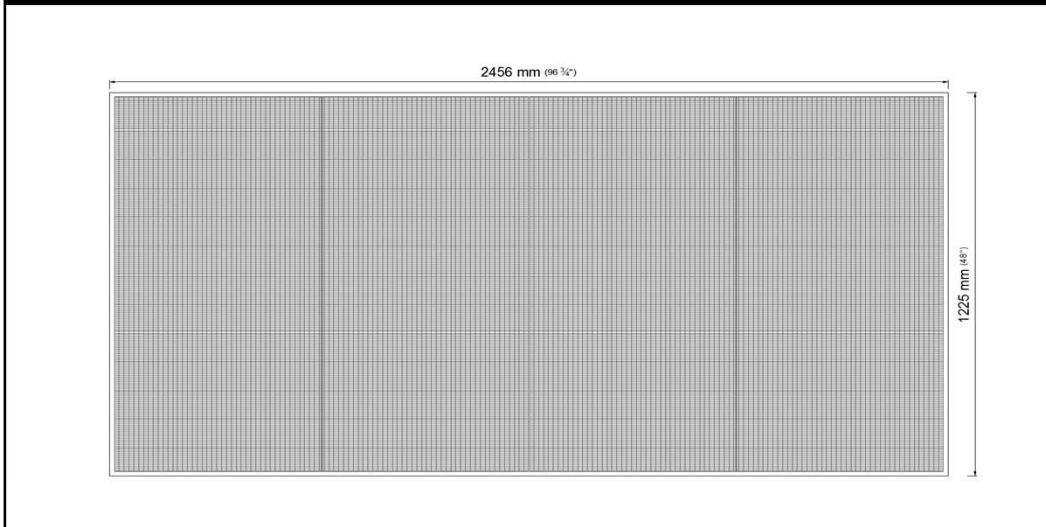
smart solar solutions for buildings



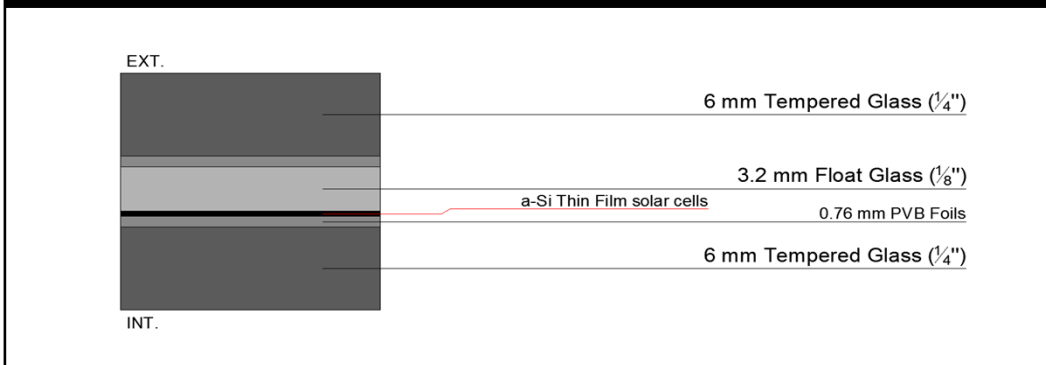


TECHNICAL DATA - GL.01

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	29.00%
Light Transmission	10.10%
UV Transmission	< 1%
Light Reflection	8%
U-value [Btu/h ft ² °F]	N/A
Peak Power [Wp/sqft]	3.7

smart solar solutions for buildings

