



ANNEX 1

TECHNICAL DATA



General note for Amorphous Silicon Technology:

The nominal power of PV modules indicates the power generated under Standard Test Conditions (STC). Photovoltaic modules may produce more current and/or voltage under actual operating conditions than in Standard Test Conditions. The electrical characteristics are within $\pm 10\%$ of the indicated Isc and Voc values under STC. Electrical parameters, shown in the data sheet are considered **after light-soaking degradation process**. The uncertainty of the measurements can be established in $\pm 4,72\%$.

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SPAIN (Avila)
C/ Rio Cea 1, 46 • 05004
Phone: +34 920 21 00 50
info@onyxsolar.com • www.onyxsolar.es

UNITED STATES (New York)
79 Madison Avenue Suite 640 • NY 10016
Phone: +1 917 261 4783
usa@onyxsolar.com • www.onyxsolar.com



TECHNICAL DATA - GL.01 CRYSTALLINE SILICON

PHOTOVOLTAIC GLASS GL.01.G1		81 x 46
		6" Mono 158 Crystalline
Electrical data test conditions (STC)		
Nominal peak power	321	P_{mpp} (Wp)
Open-circuit voltage	44.88	V_{oc} (V)
Short-circuit current	9.01	I_{sc} (A)
Voltage at nominal power	37.82	V_{mpp} (V)
Current at nominal power	8.50	I_{mpp} (A)
Power tolerance not to exceed	± 10	%
STC: 1000 w/m ² , AM 1.5 and a cell temperature of 25°C, stabilized module state.		
Mechanical description		
Length	81	inches
Width	46	inches
Thickness	0.54	inches
Surface area	25.59	sqf
Weight	157	Lbs
Cell type	6" Mono 158	Crystalline
No PV cells / Transparency degree	66	27%
Front Glass	1/4"	Tempered Glass Low-Iron
Rear Glass	1/4"	Tempered Glass
Thickness encapsulation	1,80 mm	EVA Foils
Category / Color code		
Junction Box		
Protection	IP65	
Wiring Section	2,5 mm ² or 4,0 mm ²	
Limits		
Maximum system voltage	600	V_{sys} (V)
Operating module temperature	-40...+85	°C
Temperature Coefficients		
Temperature Coefficient of P_{mpp}	-0.32	%/°C
Temperature Coefficient of V_{oc}	-0.28	%/°C
Temperature Coefficient of I_{sc}	0.07	%/°C

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



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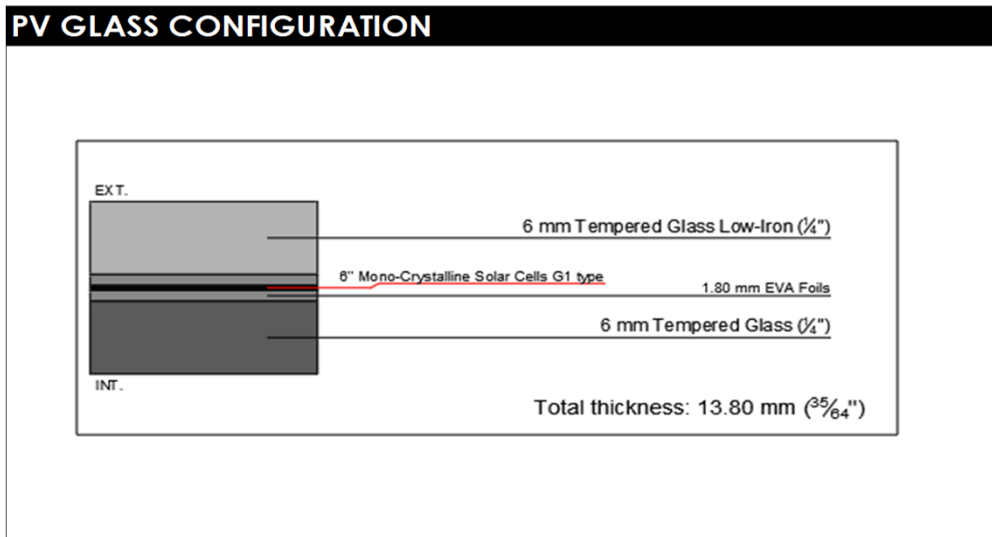
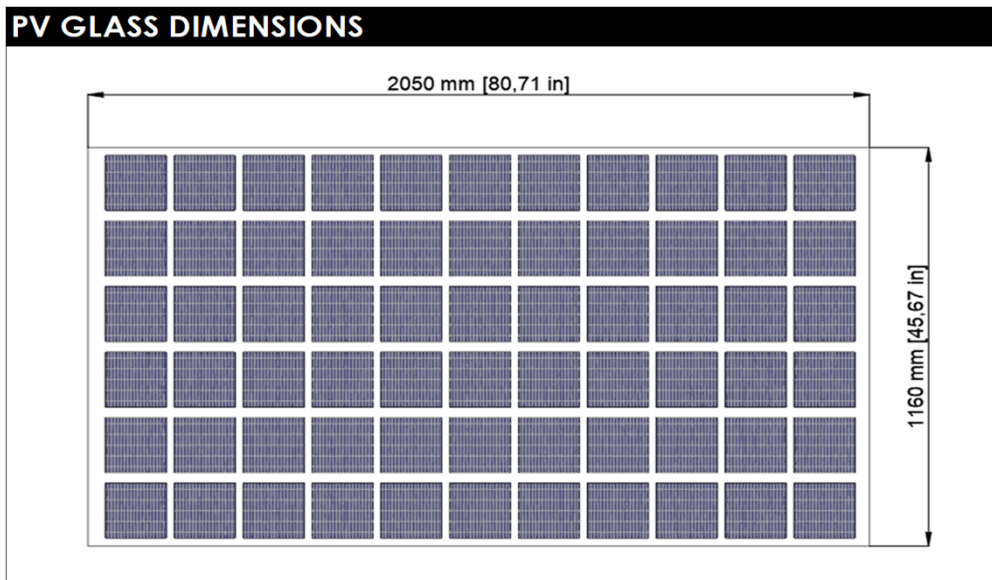
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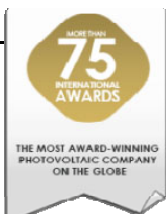
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TECHNICAL DATA - GL.01 CRYSTALLINE SILICON



GLASS PROPERTIES	Onyx Equivalent Glass
Light Transmission	27%
U-value [Btu/h ft ² °F]	0.92
Peak Power [Wp/sqft]	12.6



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