



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 I_{sc} and V_{oc} 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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TECHNICAL DATA - GL.01

PHOTOVOLTAIC GLASS		30 x 30
		6" Mono 158 Crystalline
Electrical data test conditions (STC)		
Nominal peak power	75	P_{mpp} (Wp)
Open-circuit voltage	11	V_{oc} (V)
Short-circuit current	8.94	I_{sc} (A)
Voltage at nominal power	9	V_{mpp} (V)
Current at nominal power	8.65	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	30	inches
Width	30	inches
Thickness	0.70	inches
Surface area	6.05	sqf
Weight	50	Lbs
Cell type	6" Mono 158	Crystalline
No PV cells / Transparency degree	16	0%
Front Glass	5/16"	Tempered, anti-slip Glass
Rear Glass	5/16"	Tempered Glass, clear Blue
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



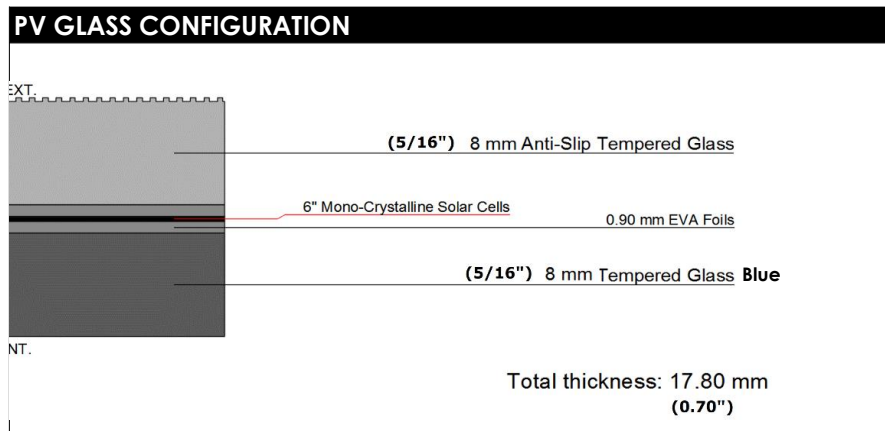
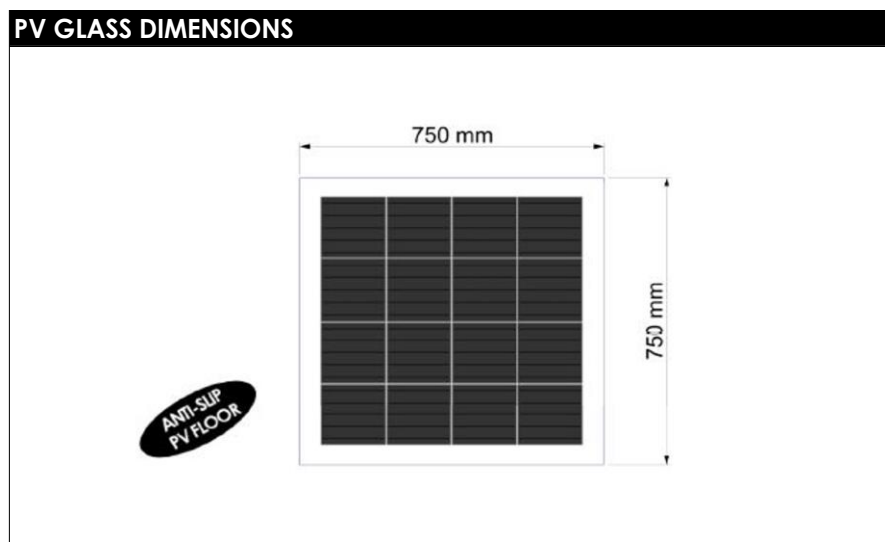
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GLASS PROPERTIES	Onyx Equivalent Glass
Light Transmission	28%
U-value [Btu/h ft ² °F]	0.91



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