



PHOTOVOLTAIC GLASS QUOTATION



PROJECT DATA

Project	PV GLASS CANOPT
City	NOVATO, CA
Country	USA
Company	Old Town Glass
Contact	John Pope

We have considered a total area of integration of **207 sqft** for this *Building Integration Photovoltaic* solution, leading a **nominal power of 3.00 kWp**.

We have provided several options in terms of size and thickness that could be modified and customized if client would prefer a different option. Anyway, this quotation is merely a product description and pricing proposal. The client is responsible to establish the structural needs of the architectural photovoltaic glazing for the given project according to full system structural calculations and local building codes.

The following document shows:

- Quotation.
- Terms & Conditions.
- Annex 1. Technical Data Sheet.



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QUOTATION

CRYSTALLINE SILICON TECHNOLOGY

Based on your requirements, please find below your quotation.

■ PHOTOVOLTAIC GLASS QUOTATION

	Thickness	Length	Width	Power	Quantity	Subtotal	Price/unit	
	(in)	(in)	(in)	(Wp/uds)	(uds)	(\$)	(\$)	(\$/sqft)
PV.GL.01	0.70"	63	63	373	8	\$9,119.33	\$1,139.92	\$41.38
TOTAL						\$9,119.33	\$41.38	



General note:

The price offered in this quotation does not include either shipping costs or any installer and/or third parties profit or overhead expenses and costs. Please keep it in mind for estimate purposes.



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TERMS & CONDITIONS

Terms and Conditions:

- **V.A.T. not included**
- Valid until: **30 days**
- Delivery Terms (Incoterms 2020): **EX-WORKS** (our factory)
- Payment terms: 100 % Prepayment

Unless otherwise stated, this quote does not include:

- Work management and assistance at the jobsite.
- Transportation costs.
- Profiles and structural fixing systems for the glass (to be defined according to the project).
- Special packaging for particular transportation.
- Installation of materials.
- Structural design and calculus.
- Execution of the electrical design.
- Supply of electrical wiring for interconnection between units.
- Permits, authorizations and/or other certifications.
- Packaging recycling
- All any other item not stated in this quote.

General note:

This quote has been calculated based on the information and drawings provided. Should the items quoted in this document change in nature, size, quantities, and/or result modified after the quote is calculated, such quote may vary too.



May 18th, 2022



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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 - PV.GL.01

PV GLASS PV.GL.01		63 x 59
6" Mono 3BB		Crystalline
Electrical data test conditions (STC)		
Nominal peak power	373	P _{mpp} (Wp)
Open-circuit voltage	54	V _{oc} (V)
Short-circuit current	8.71	I _{sc} (A)
Voltage at nominal power	45	V _{mpp} (V)
Current at nominal power	8.20	I _{mpp} (A)
Power tolerance not to exceed	±10	%
STC: 1000 w/m², AM 1.5 and a cell temperature of 25°C, stabilized module state.		
Mechanical description		
Length	63	inches
Width	59	inches
Thickness	0.70	inches
Surface area	25.82	sqf
Weight	212	Lbs
Cell type	6" Mono 3BB	Crystalline
No PV cells / Transparency degree	81	20%
Front Glass	5/16"	Tempered Glass Low-Iron
Rear Glass	5/16"	Tempered Glass
Thickness encapsulation	1,80 mm	EVA 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 _{mpp}	-0.38	%/°C
Temperature Coefficient of V _{oc}	-0.29	%/°C
Temperature Coefficient of I _{sc}	0.04	%/°C

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



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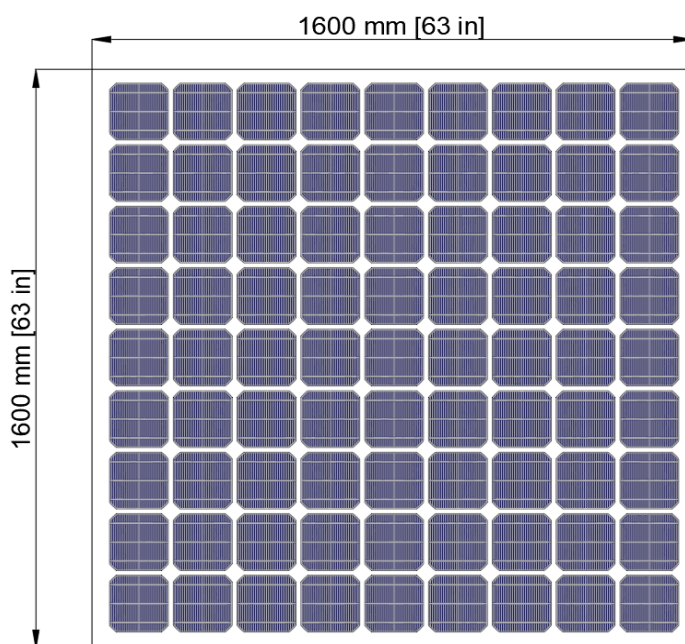
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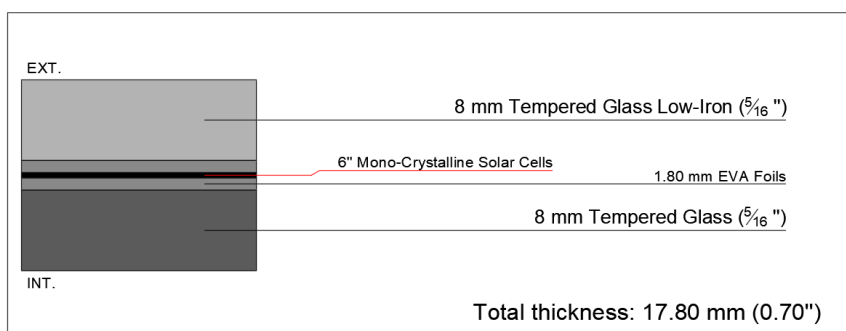


TECHNICAL DATA - PV.GL.01

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



GLASS PROPERTIES

	Onyx Equivalent Glass
Light Transmission	20%
U-value [Btu/h ft ² °F]	0.92
Peak Power [Wp/sqf]	14.4

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"Onyx Solar is a **no-brainer**"

Ralp Zucker

President, Bell Works