



TECHNICAL DATA - GL.01

PHOTOVOLTAIC GLASS		1.592 x 1408	
		6" Mono	Crystalline
Electrical data test conditions (STC)			
Nominal peak power	282	P _{mpp} (Wp)	
Open-circuit voltage	40	V _{oc} (V)	
Short-circuit current	8,93	I _{sc} (A)	
Voltage at nominal power	34	V _{mpp} (V)	
Current at nominal power	8,39	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	1592	mm	
Width	1408	mm	
Thickness	35,32	mm	
Surface area	2,24	sqm	
Weight	112	Kgs	
Cell type	6" Mono	Crystalline	
No PV cells / Transparency degree	64	34%	
Front Glass	6 mm	Tempered Glass Low-Iron	
Rear Glass	6 mm	Tempered Glass	
Gas Spacer	12 mm	Air Chamber	
Inner Glass	4 mm	Tempered Glass	
Inner Glass	4 mm	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	1000	V _{sys} (V)	
Operating module temperature	-40...+85	°C	
Temperature Coefficients			
Temperature Coefficient of P _{mpp}	-0,451	%/°C	
Temperature Coefficient of V _{oc}	-0,361	%/°C	
Temperature Coefficient of I _{sc}	+0,08	%/°C	

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

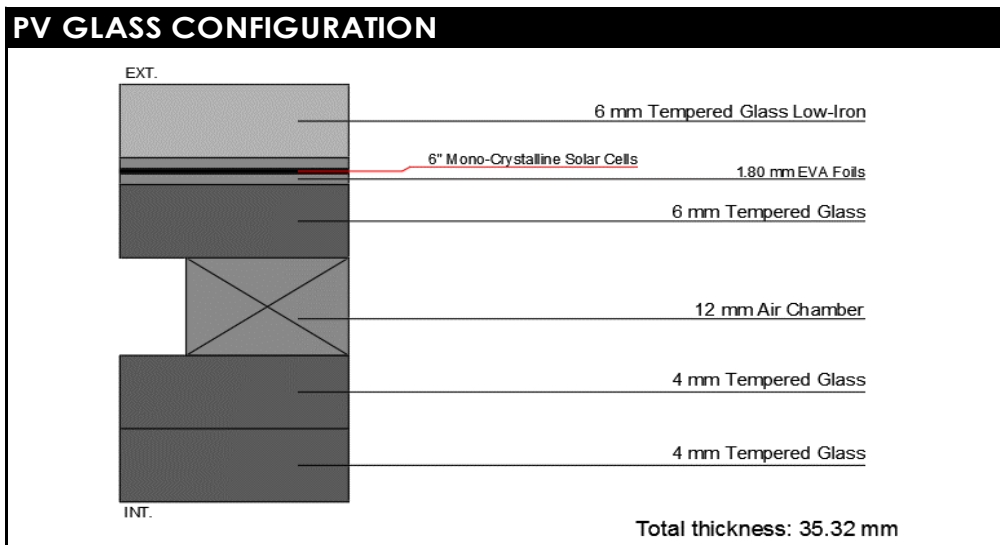
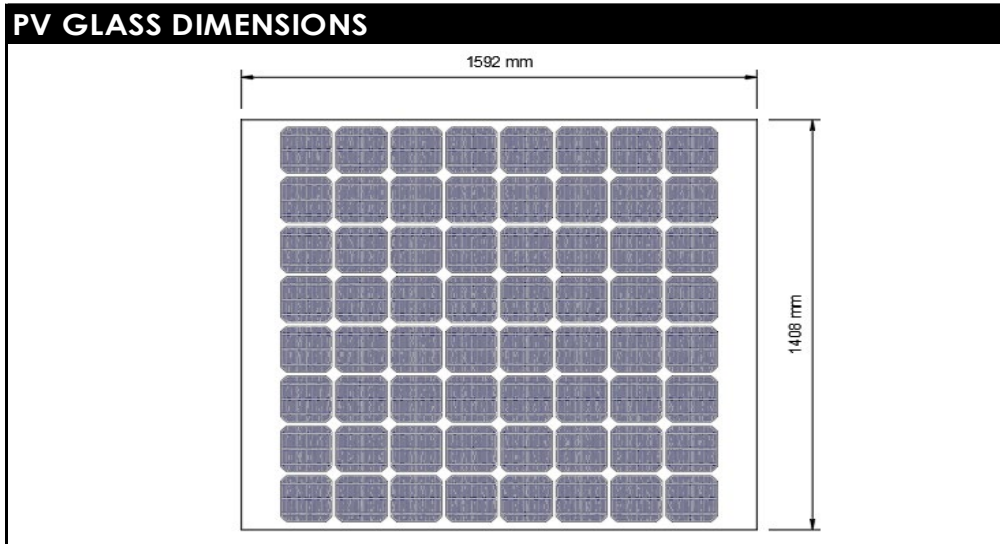
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GLASS PROPERTIES	Onyx Equivalent Glass
Light Transmission	34%
U-value [W/sqm.K]	2,7
Peak Power [Wp/sqm]	126,0

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INTERNATIONAL PRESS VARIETY PHOTOVOLTAIC FACTORY OF THE YEAR 2018 · INTERNATIONAL ENERGY COMPANY OF THE YEAR 2018 · SCAD PRIZE IN BEST PHOTOVOLTAIC GLASS MANUFACTURER 2018 · MOST INNOVATIVE CURTAIN WALL PROJECT 2017 & 2018 · INTERNATIONAL SOLAR ENERGY COMPANY 2017 & 2018 · HONOURABLE MENTION TO ONYX SOLAR'S PHOTOVOLTAIC FAÇADE 2017 & 2018 · INTERNATIONAL GAMECHANGER 2017 · SOLAR PRIZE 2017 · BEST GLASS MANUFACTURER 2016 & 2017 · BEST TECHNOLOGY IN THE BIPV SECTOR 2016 · BEST PHOTOVOLTAIC GLASS PROJECT 2016 · THE MOST SUSTAINABLE MATERIAL 2016 · BEST OF WHAT'S NEW 2015 · INNOVATIVE COMPANY 2015 · BEST PROJECT OF NEW YORK REGION 2014

SPAIN (Avila) • C/ Río Cea 1, 46 • 05004 • +34 920 210 050 • info@onyxsolar.com • www.onyxsolar.es