



## TECHNICAL DATA SHEET (GL.01)

PHOTOVOLTAIC GLASS		1245 x 1849
		M Vision (10%)
Electrical data test conditions (STC)		
Nominal peak power	92	P <sub>mpp</sub> (Wp)
Open-circuit voltage	144	V <sub>oc</sub> (V)
Short-circuit current	1,15	I <sub>sc</sub> (A)
Voltage at nominal power	99	V <sub>mpp</sub> (V)
Current at nominal power	0,93	I <sub>mpp</sub> (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m <sup>2</sup> , AM 1.5 and a cell temperature of 25°C, stabilized module state.		
Mechanical description		
Length	1245	mm
Width	1849	mm
Thickness	39	mm
Surface area	2,30	sqm
Weight	134	Kgs
Cell type	a-Si	Thin Film
Transparency degree	M	Vision (10%)
Front Glass	6 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	6 mm	Tempered Glass
Air Chamber	12 mm	Argon Chamber
Inner Glass	4 mm	Float Glass Low-e
Inner Glass	4 mm	Float Glass
Thickness encapsulation	1,52 mm	PVB Foils (x2)
Category / Color code		Neutral
Junction Box		
Protection		IP65
Wiring Section		2,5 mm <sup>2</sup> or 4,0 mm <sup>2</sup>
Limits		
Maximum system voltage	1000	V <sub>sys</sub> (V)
Operating module temperature	-40...+85	°C
Max. Series Fuse	3	A
Temperature Coefficients		
Temperature Coefficient of P <sub>mpp</sub>	-0,19	%/°C
Temperature Coefficient of V <sub>oc</sub>	-0,28	%/°C
Temperature Coefficient of I <sub>sc</sub>	+0,09	%/°C

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



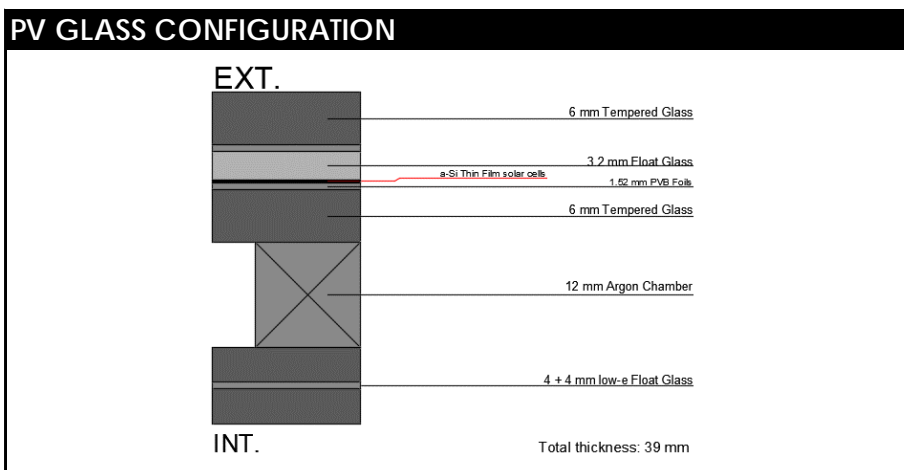
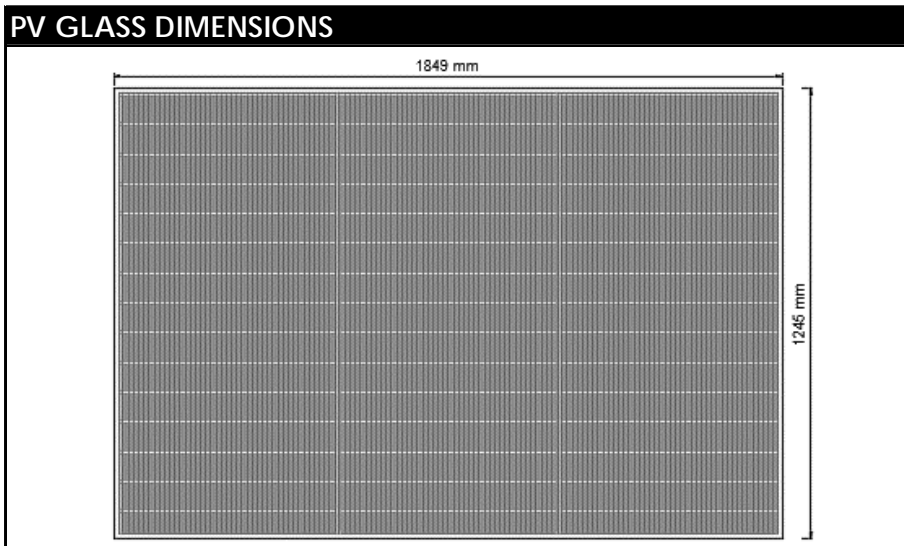
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## TECHNICAL DATA SHEET (GL.01)



GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	10%
Light Transmission	10.10%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	1.2
Peak Power [Wp/sqm]	40,0



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## TECHNICAL DATA SHEET (GL.02)

<b>PHOTOVOLTAIC GLASS</b>		<b>1245 x 2456</b>
	<b>M</b>	<b>Vision (10%)</b>
<b>Electrical data test conditions (STC)</b>		
Nominal peak power	122	P <sub>mpp</sub> (Wp)
Open-circuit voltage	191	V <sub>oc</sub> (V)
Short-circuit current	1,15	I <sub>sc</sub> (A)
Voltage at nominal power	132	V <sub>mpp</sub> (V)
Current at nominal power	0,93	I <sub>mpp</sub> (A)
Power tolerance not to exceed	± 5	%
STC: 1000 w/m <sup>2</sup> , AM 1.5 and a cell temperature of 25°C, stabilized module state.		
<b>Mechanical description</b>		
Length	1245	mm
Width	2456	mm
Thickness	39	mm
Surface area	3,06	sqm
Weight	177	Kgs
Cell type	a-Si	Thin Film
Transparency degree	M	Vision (10%)
Front Glass	6 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	6 mm	Tempered Glass
Air Chamber	12 mm	Argon Chamber
Inner Glass	4 mm	Float Glass Low-e
Inner Glass	4 mm	Float Glass
Thickness encapsulation	1,52 mm	PVB Foils (x2)
Category / Color code		Neutral
<b>Junction Box</b>		
Protection	IP65	
Wiring Section	2,5 mm <sup>2</sup> or 4,0 mm <sup>2</sup>	
<b>Limits</b>		
Maximum system voltage	1000	V <sub>sys</sub> (V)
Operating module temperature	-40...+85	°C
Max. Series Fuse	3	A
<b>Temperature Coefficients</b>		
Temperature Coefficient of Pmpp	-0,19	%/°C
Temperature Coefficient of Voc	-0,28	%/°C
Temperature Coefficient of Isc	+0,09	%/°C

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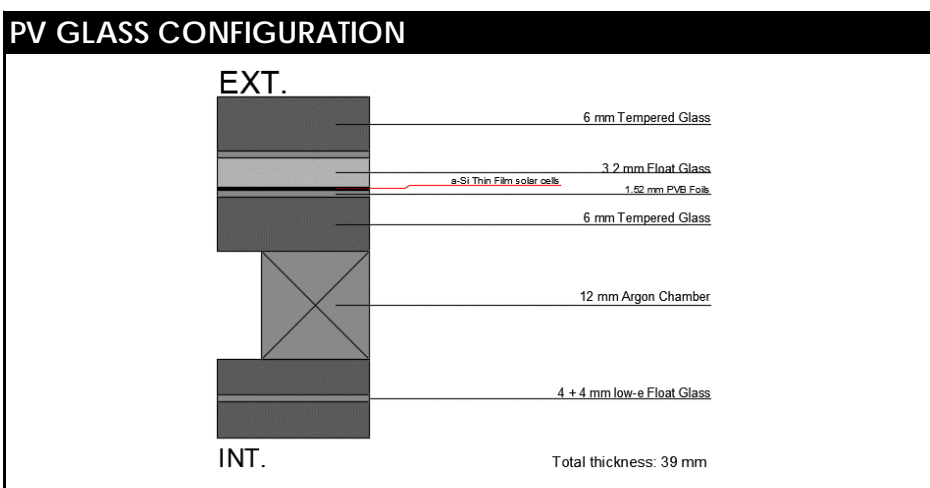
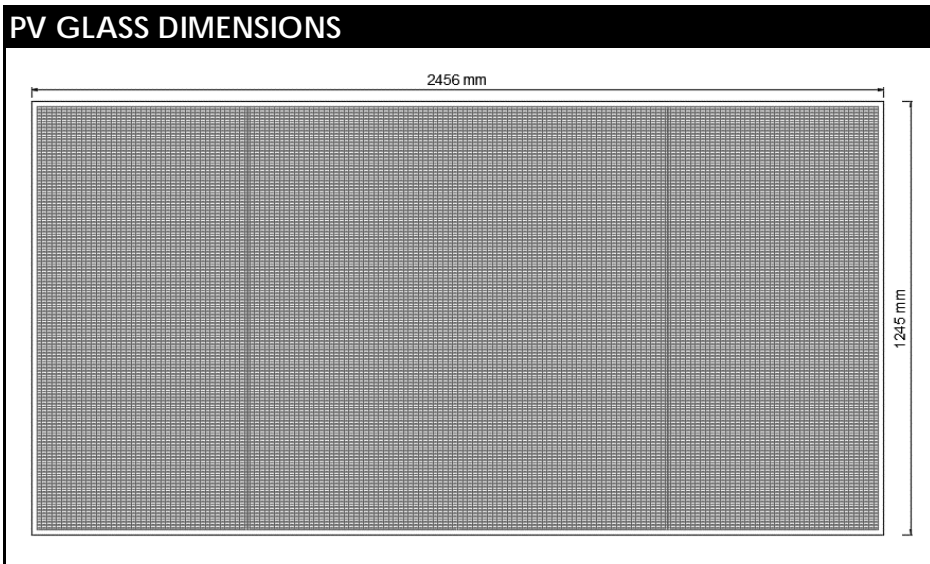
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