

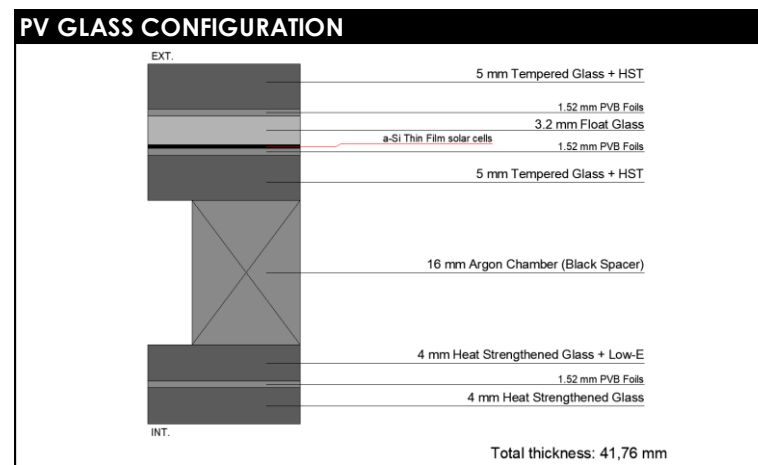
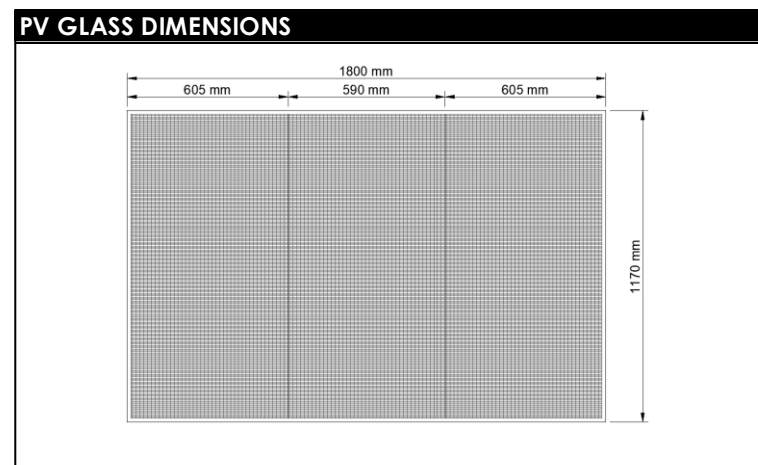
R10 ROOFLIGHT

DATA SHEET - GL.1



PHOTOVOLTAIC GLASS		1170 x 1800
		L Vision (20%)
Electrical data test conditions (STC)		
Nominal peak power	72	P _{mpp} (Wp)
Open-circuit voltage	140	V _{oc} (V)
Short-circuit current	0,91	I _{sc} (A)
Voltage at nominal power	96	V _{mpp} (V)
Current at nominal power	0,74	I _{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 15 and a cell temperature of 25°C, stabilized module state.		
Mechanical description		
Length	1170	mm
Width	1800	mm
Thickness	41,76	mm
Surface area	2,11	sqm
Weight	112	Kgs
Cell type	α-Si	Thin Film
Transparency degree	L	Vision (20%)
Front Glass	5 mm	Tempered Glass + HST
PV Active Glass	3,2 mm	Float Glass
Rear Glass	5 mm	Tempered Glass + HST
Air Chamber	16 mm	Argon Chamber
Inner Glass	4 mm	Heat Strengthened Low-E
Inner Glass	4 mm	Heat Strengthened
Thickness encapsulation	1,52 mm	PVB Foils (x2)
Thickness encapsulation - IGU	1,52 mm	PVB Foils
Junction Box		
Protection	IP65	
Wiring Section	2,5 mm² or 4,0 mm²	
Limits		
Maximum system voltage	1000	V _{sys} (V)
Operating module temperature	-40...+85	°C
Max. Series Fuse	3	A
Temperature Coefficients		
Temperature Coefficient of P _{mpp}	-0,19	%/°C
Temperature Coefficient of V _{oc}	-0,28	%/°C
Temperature Coefficient of I _{sc}	+0,09	%/°C

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



GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	12%
Light Transmission	16.30%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	1,1
Peak Power [Wp/sqm]	34,0

