



TECHNICAL DATA - GL.01

PHOTOVOLTAIC GLASS		58 x 44
		XL Vision (30%)
Electrical data test conditions (STC)		
Nominal peak power	46	P _{mpp} (Wp)
Open-circuit voltage	87,07	V _{oc} (V)
Short-circuit current	0,91	I _{sc} (A)
Voltage at nominal power	59,81	V _{mpp} (V)
Current at nominal power	0,77	I _{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m ² , AM 1.5 and a cell temperature of 25°C, stabilized module state.		
Mechanical description		
Length	58	inches
Width	44	inches
Thickness	1,30	inches
Surface area	17,70	sqf
Weight	191,34	Lbs
Cell type	α-Si	Thin Film
Transparency degree	XL	Vision (30%)
Front Glass	5/32"	Tempered Glass
PV Active Glass	1/8 "	Float Glass
Rear Glass	5/32"	Tempered Glass
Gas Spacer	1/2 "	Argon Chamber
Inner Glass	5/32"	Float Glass
Inner Glass	5/32"	Float Glass Low-e
Thickness encapsulation	1,52 mm	PVB 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}	-0,19	%/°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
photovoltaic building materials

