



PHOTOVOLTAIC GLASS		636_N-12450317-_-_-			
1245 x 317 mm		ref. 00	ref. 10	ref. 20	ref. 30
Electrical data test conditions (STC)		DARK (0%)	M VISION (10%)	L VISION (20%)	XL VISION (30%)
Nominal peak power	P_{mpe} (Wp)	23	16	13	11
Open-circuit voltage	V_{oc} (V)	25	25	25	25
Short-circuit current	I_{sc} (A)	1,50	1,15	0,97	0,77
Voltage at nominal power	V_{mpe} (V)	17	17	17	17
Current at nominal power	I_{mpe} (A)	1,34	0,93	0,79	0,65
Power tolerance not to exceed	%	±5	±5	±5	±5

STC: 1000 w/m², AM 1.5 and a cell temperature of 25°C, stabilized module state.

Mechanical description	
Length	mm 1245
Width	mm 317
Thickness	mm 16,72
Surface area	sqm 0,39
Weight	Kg 15,00
Cell type	a-Si Thin Film
Front Glass	6 mm Tempered Glass
PV Glass	3,2 mm Float Glass
Rear Glass	6 mm Tempered Glass
Thickness encapsulation	ref. A EVA Foils (not available)
	ref. B 1,52 mm PVB Foils

Junction Box	
Protection	IP65
Wiring Section	2,5 mm ² or 4,0 mm ²
Limits	
Maximum system voltage	V_{sys} (V) 1.000
Operating module temperature	°C -40...+85
Temperature Coefficients	
Temperature Coefficient of P_{mpe}	%/°C -0,19
Temperature Coefficient of V_{oc}	%/°C -0,28
Temperature Coefficient of I_{sc}	%/°C +0,09

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

PV GLASS DIMENSIONS

1245 mm (49")

317 mm (12 3/8")

Type of Junction Box available:
ref. 1
ref. 2

PV GLASS CONFIGURATION

EXT.

INT.

1 Front Glass
2 PV Glass
3 Rear Glass
4 Cell type
5 Encapsulation type

EVA Foils ref. A
PVB Foils ref. B

NOTES

* For optical and further mechanical properties, please go to:
Technical Guide. 7.-Other Properties.

* Optional: Insulating Glass Unit. U value (W/sqm.K), please go to:
Technical Guide. 8.-Insulating Glass Unit.

* Junction box type and configuration should be analyzed as per clients request or project needs.

