



# FICHA TÉCNICA - VIDRIO ESTÁNDAR

TECNOLOGÍA SILICIO AMORFO

PHOTOVOLTAIC GLASS		033_N-12450635-_-_-			
1245 x 635 mm		ref. 00	ref. 10	ref. 20	ref. 30
Electrical data test conditions (STC)		CLEAR-0%	CLEAR-10%	CLEAR-20%	CLEAR-30%
Nominal peak power	$P_{mpp}$ (Wp)	48,60	37,44	31,32	27,72
Open-circuit voltage	$V_{oc}$ (V)	48,00	48,00	48,00	48,00
Short-circuit current	$I_{sc}$ (A)	1,50	1,15	0,98	0,83
Voltage at nominal power	$V_{npp}$ (V)	36,00	36,00	36,00	36,00
Current at nominal power	$I_{npp}$ (A)	1,35	1,04	0,87	0,77
Power tolerance not to exceed	%	±5	±5	±5	±5

STC: 1000 w/m<sup>2</sup>, AM 1.5 and a cell temperature of 25°C, stabilized module state.

Mechanical description	
Length	mm 1245
Width	mm 635
Thickness	mm 6.85 (EVA) 7.16 (PVB)
Surface area	sqm 0,79
Weight	Kg 12,65
Cell type	α-Si Thin Film
PV Glass	3,2 mm Float Glass
Rear Glass	3,2 mm Float Glass
Thickness encapsulation	ref. A 0,45 mm EVA Foils
	ref. B 0,76 mm PVB Foils

Junction Box	
Protection	IP65
Wiring Section	2,5 mm <sup>2</sup> or 4,0 mm <sup>2</sup>
Limits	
Maximum system voltage	$V_{sys}$ (V) 1.000
Operating module temperature	°C -40...+85
Temperature Coefficients	
Temperature Coefficient of $P_{mpp}$	%/°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

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