170721-01AG

FICHA TÉCNICA - GL.01

PHOTOVOLTAIC GLASS 1245 x 2456 mm		ref. 00	ref. 10	ref. 20	636BN-12452456-_ _-_ ref. 30
Electrical data test conditions (STC)		**DARK (0%)**	**M VISION (10%)**	**L VISION (20%)**	**XL VISION (30%)**
Nominal peak power	P_{mpp} (Wp)	177	123	104	86
Open-circuit voltage	V_{oc} (V)	191	191	191	191
Short-circuit current	I_{sc} (A)	1,50	1,15	0,97	0,77
Voltage at nominal power	V_{mpp} (V)	132	132	132	132
Current at nominal power	I_{mpp} (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	2456
Thickness	mm	16,72 / 14.72 / 12,72
Surface area	sqm	3,06
Weight	Kg	116,3 / 101,0 / 85,7
Cell type		a-Si Thin Film
Front Glass		6 / 5 / 4 mm Tempered Glass
PV Glass		3,2 mm Float Glass
Rear Glass		6 / 5 / 4 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 / 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_{mpp}	%/°C	-0,19
Temperature Coefficient of V_{oc}	%/°C	-0,28
Temperature Coefficient of I_{sc}	%/°C	+0,09

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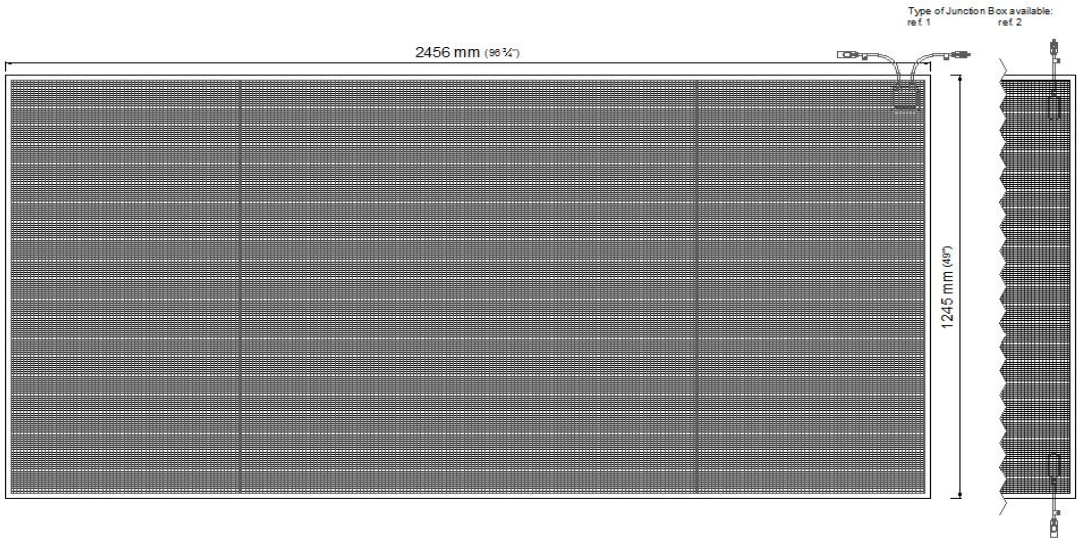
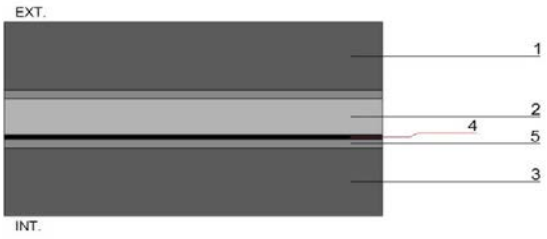
FICHA TÉCNICA - GL.01

PV GLASS DIMENSIONS



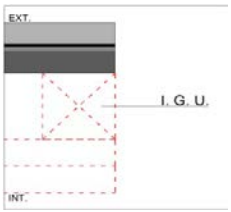
PV GLASS CONFIGURATION



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 location should be approved by the customer.



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FICHA TÉCNICA - GL.06_20%

PHOTOVOLTAIC GLASS	1180 x 1380 L	 Vision (20%)
Electrical data test conditions (STC)		
Nominal peak power	55	P_{mpp} (Wp)
Open-circuit voltage	108	V_{oc} (V)
Short-circuit current	0,92	I_{sc} (A)
Voltage at nominal power	74	V_{mpp} (V)
Current at nominal power	0,75	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 1.5 and a cell temperature of 25°C, stabilized module state.		
Mechanical description		
Length	1180	mm
Width	1380	mm
Thickness	18,72	mm
Surface area	1,63	sqm
Weight	76	Kgs
Cell type	a-Si	Thin Film
Transparency degree	L	Vision (20%)
Front Glass	6 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	6 mm	Tempered Glass
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	1000	Vsys (V)
Operating module temperature	-40...+85	°C
Temperature Coefficients		
Temperature Coefficient of Pmpp	-0,19	%/ºC
Temperature Coefficient of Voc	-0,28	%/ºC
Temperature Coefficient of Isc	+0,09	%/ºC

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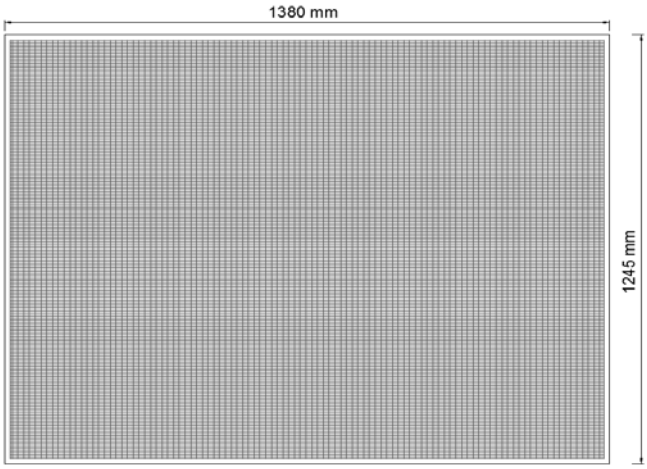
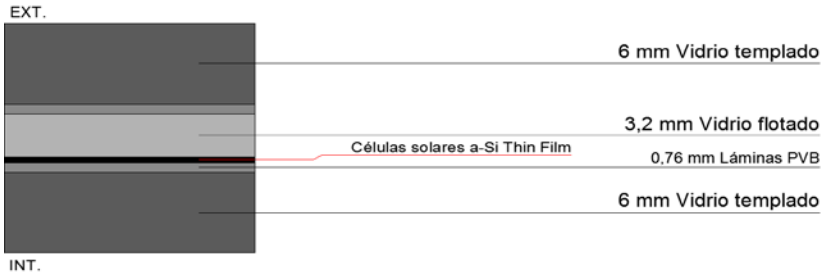
FICHA TÉCNICA - GL.06_20%

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	32.00%
Light Transmission	16.30%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	N/A
Peak Power [Wp/sqm]	34,0

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FICHA TÉCNICA - GL.06_10%

PHOTOVOLTAIC GLASS	1180 x 1380 M	 Vision (10%)
Electrical data test conditions (STC)		
Nominal peak power	65	P_{mpp} (Wp)
Open-circuit voltage	108	V_{oc} (V)
Short-circuit current	1,09	I_{sc} (A)
Voltage at nominal power	74	V_{mpp} (V)
Current at nominal power	0,88	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 1.5 and a cell temperature of 25°C, stabilized module state.		
Mechanical description		
Length	1180	mm
Width	1380	mm
Thickness	18,72	mm
Surface area	1,63	sqm
Weight	76	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
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	1000	Vsys (V)
Operating module temperature	-40...+85	°C
Temperature Coefficients		
Temperature Coefficient of Pmpp	-0,19	%/ºC
Temperature Coefficient of Voc	-0,28	%/ºC
Temperature Coefficient of Isc	+0,09	%/ºC

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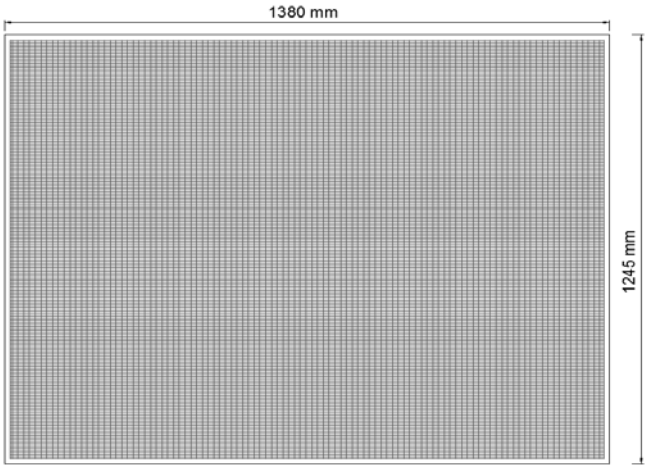
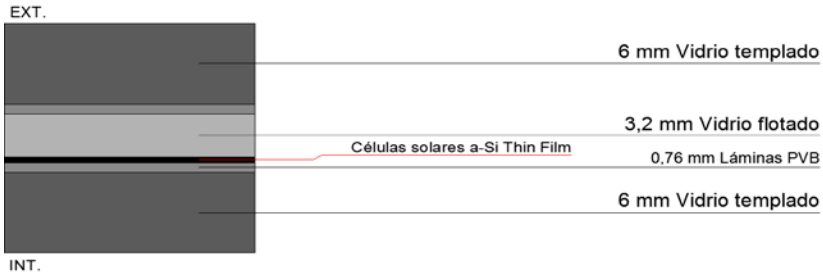
FICHA TÉCNICA - GL.06_10%

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	29.00%
Light Transmission	10.10%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	N/A
Peak Power [Wp/sqm]	40,0

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