181008-01MP

TECHNICAL DATA - GL.01

PHOTOVOLTAIC GLASS	1176 x 836 XL	 Vision (30%)
Electrical data test conditions (STC)		
Nominal peak power	27	P_{mpp} (Wp)
Open-circuit voltage	65	V_{oc} (V)
Short-circuit current	0,73	I_{sc} (A)
Voltage at nominal power	45	V_{mpp} (V)
Current at nominal power	0,61	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 15 and a cell temperature of 25ºC, stabilized module state.		
Mechanical description		
Length	1176	mm
Width	836	mm
Thickness	49,48	mm
Surface area	0,98	sqm
Weight	57	Kgs
Cell type	a-Si	Thin Film
Transparency degree	XL	Vision (30%)
Front Glass	4 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	4 mm	Tempered Glass
Air Chamber	12 mm	Argon Chamber
Middle Glass	4 mm	Float Glass Low-e
Air Chamber	12 mm	Argon Chamber
Inner Glass	4 mm	Tempered Glass Low-e
Inner Glass	4 mm	Tempered Glass
Thickness encapsulation	2,28 mm	PVB Foils (x3)
Category / Color code	N/A	
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
Max. Series Fuse	3	A
Temperature Coefficients		
Temperature Coefficient of Pmpp	-0,19	%/ºC
Temperature Coefficient of Voc	-0,28	%/ºC
Temperature Coefficient of Isc	+0,09	%/ºC

oltaic glass

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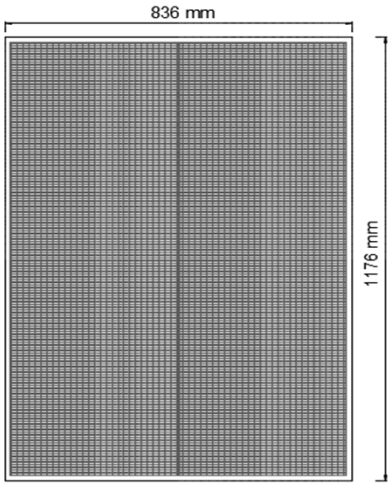
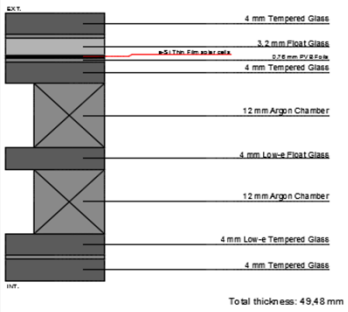
TECHNICAL DATA - GL.01

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



Total thickness: 49,48 mm

GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	37.00%
Light Transmission	26.70%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	0,7
Peak Power [Wp/sqm]	28,0

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TECHNICAL DATA - GL.02

PHOTOVOLTAIC GLASS	1206 x 836 XL	Vision (30%)
Electrical data test conditions (STC)		
Nominal peak power	28	P_{mpp} (Wp)
Open-circuit voltage	65	V_{oc} (V)
Short-circuit current	0,75	I_{sc} (A)
Voltage at nominal power	45	V_{mpp} (V)
Current at nominal power	0,63	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 1.5 and a cell temperature of 25ºC, stabilized module state.		
Mechanical description		
Length	1206	mm
Width	836	mm
Thickness	49,48	mm
Surface area	1,01	sqm
Weight	58	Kgs
Cell type	a-Si	Thin Film
Transparency degree	XL	Vision (30%)
Front Glass	4 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	4 mm	Tempered Glass
Air Chamber	12 mm	Argon Chamber
Middle Glass	4 mm	Float Glass Low-e
Air Chamber	12 mm	Argon Chamber
Inner Glass	4 mm	Tempered Glass Low-e
Inner Glass	4 mm	Tempered Glass
Thickness encapsulation	2,28 mm	PVB Foils (x3)
Category / Color code	N/A	
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
Max. Series Fuse	3	A
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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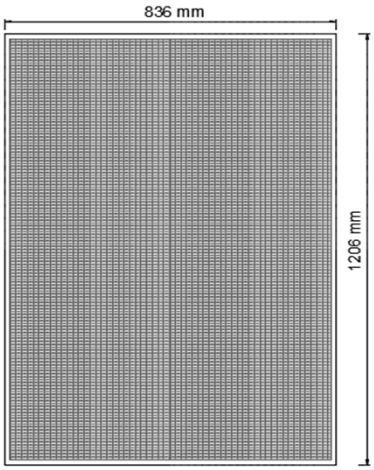
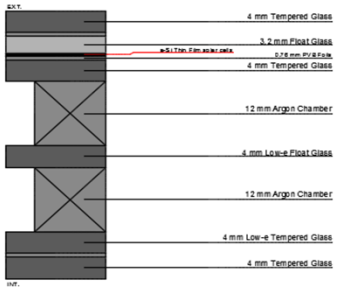
TECHNICAL DATA - GL.02

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



Total thickness: 49,48 mm

GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	37.00%
Light Transmission	26.70%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	0,7
Peak Power [Wp/sqm]	28,0

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TECHNICAL DATA - GL.03

PHOTOVOLTAIC GLASS	1276 x 836 XL	Vision (30%)
Electrical data test conditions (STC)		
Nominal peak power	29	P_{mpp} (Wp)
Open-circuit voltage	65	V_{oc} (V)
Short-circuit current	0,77	I_{sc} (A)
Voltage at nominal power	45	V_{mpp} (V)
Current at nominal power	0,65	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 15 and a cell temperature of 25ºC, stabilized module state.		
Mechanical description		
Length	1276	mm
Width	836	mm
Thickness	49,48	mm
Surface area	1,07	sqm
Weight	62	Kgs
Cell type	a-Si	Thin Film
Transparency degree	XL	Vision (30%)
Front Glass	4 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	4 mm	Tempered Glass
Air Chamber	12 mm	Argon Chamber
Middle Glass	4 mm	Float Glass Low-e
Air Chamber	12 mm	Argon Chamber
Inner Glass	4 mm	Tempered Glass Low-e
Inner Glass	4 mm	Tempered Glass
Thickness encapsulation	2,28 mm	PVB Foils (x3)
Category / Color code	N/A	
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
Max. Series Fuse	3	A
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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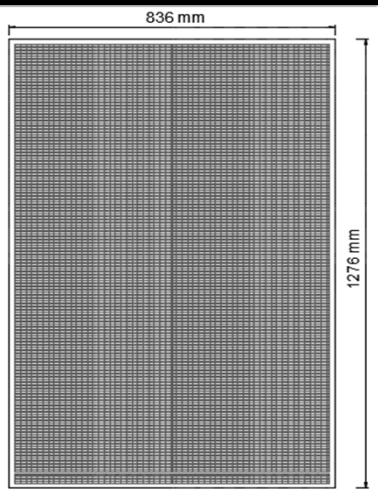
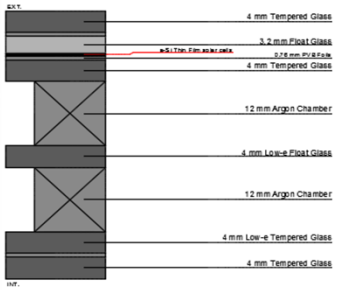
TECHNICAL DATA - GL.03

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



Total thickness: 49,48 mm

GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	37.00%
Light Transmission	26.70%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	0,7
Peak Power [Wp/sqm]	27,3

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TECHNICAL DATA - GL.04

PHOTOVOLTAIC GLASS	1176 x 1696 XL	Vision (30%)
Electrical data test conditions (STC)		
Nominal peak power	56	P_{mpp} (Wp)
Open-circuit voltage	132	V_{oc} (V)
Short-circuit current	0,73	I_{sc} (A)
Voltage at nominal power	91	V_{mpp} (V)
Current at nominal power	0,61	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 15 and a cell temperature of 25ºC, stabilized module state.		
Mechanical description		
Length	1176	mm
Width	1696	mm
Thickness	49,48	mm
Surface area	1,99	sqm
Weight	116	Kgs
Cell type	a-Si	Thin Film
Transparency degree	XL	Vision (30%)
Front Glass	4 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	4 mm	Tempered Glass
Air Chamber	12 mm	Argon Chamber
Middle Glass	4 mm	Float Glass Low-e
Air Chamber	12 mm	Argon Chamber
Inner Glass	4 mm	Tempered Glass Low-e
Inner Glass	4 mm	Tempered Glass
Thickness encapsulation	2,28 mm	PVB Foils (x3)
Category / Color code	N/A	
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	ºC
Max. Series Fuse	3	A
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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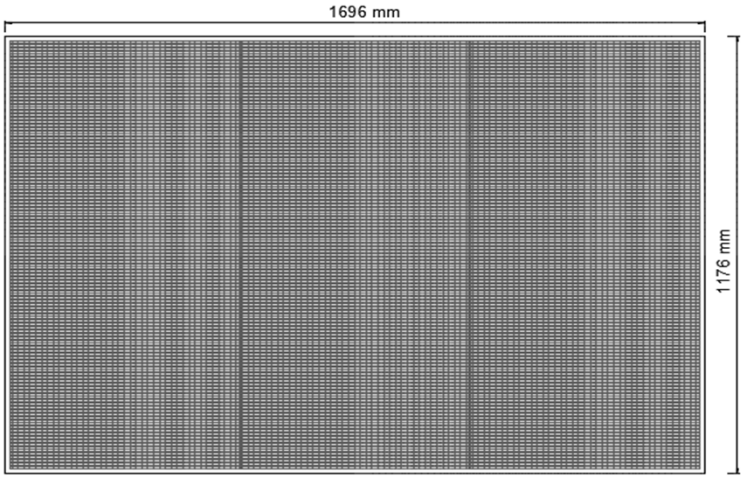
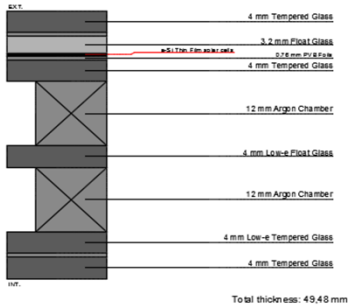
TECHNICAL DATA - GL.04

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



Total thickness: 49,48 mm

GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	37.00%
Light Transmission	26.70%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	0,7
Peak Power [Wp/sqm]	28,0

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TECHNICAL DATA - GL.05

PHOTOVOLTAIC GLASS	1206 x 1696 XL	Vision (30%)
Electrical data test conditions (STC)		
Nominal peak power	57	P_{mpp} (Wp)
Open-circuit voltage	132	V_{oc} (V)
Short-circuit current	0,75	I_{sc} (A)
Voltage at nominal power	91	V_{mpp} (V)
Current at nominal power	0,63	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 15 and a cell temperature of 25ºC, stabilized module state.		
Mechanical description		
Length	1206	mm
Width	1696	mm
Thickness	49,48	mm
Surface area	2,05	sqm
Weight	119	Kgs
Cell type	a-Si	Thin Film
Transparency degree	XL	Vision (30%)
Front Glass	4 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	4 mm	Tempered Glass
Air Chamber	12 mm	Argon Chamber
Middle Glass	4 mm	Float Glass Low-e
Air Chamber	12 mm	Argon Chamber
Inner Glass	4 mm	Tempered Glass Low-e
Inner Glass	4 mm	Tempered Glass
Thickness encapsulation	2,28 mm	PVB Foils (x3)
Category / Color code	N/A	
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
Max. Series Fuse	3	A
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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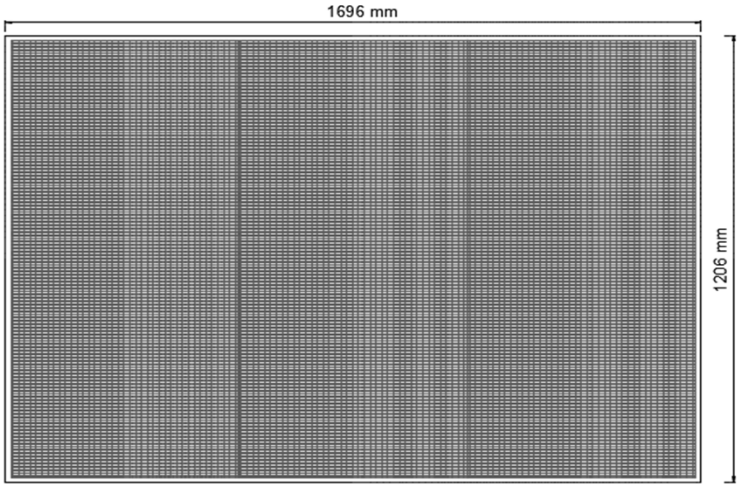
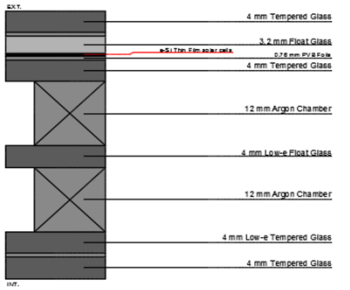
TECHNICAL DATA - GL.05

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



Total thickness: 49,48 mm

GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	37.00%
Light Transmission	26.70%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	0,7
Peak Power [Wp/sqm]	28,0

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TECHNICAL DATA - GL.06

PHOTOVOLTAIC GLASS	1276 x 1696 XL	Vision (30%)
Electrical data test conditions (STC)		
Nominal peak power	59	P_{mpp} (Wp)
Open-circuit voltage	132	V_{oc} (V)
Short-circuit current	0,77	I_{sc} (A)
Voltage at nominal power	91	V_{mpp} (V)
Current at nominal power	0,65	I_{mpp} (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m², AM 15 and a cell temperature of 25ºC, stabilized module state.		
Mechanical description		
Length	1276	mm
Width	1696	mm
Thickness	49,48	mm
Surface area	2,16	sqm
Weight	126	Kgs
Cell type	a-Si	Thin Film
Transparency degree	XL	Vision (30%)
Front Glass	4 mm	Tempered Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	4 mm	Tempered Glass
Air Chamber	12 mm	Argon Chamber
Middle Glass	4 mm	Float Glass Low-e
Air Chamber	12 mm	Argon Chamber
Inner Glass	4 mm	Tempered Glass Low-e
Inner Glass	4 mm	Tempered Glass
Thickness encapsulation	2,28 mm	PVB Foils (x3)
Category / Color code	N/A	
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
Max. Series Fuse	3	A
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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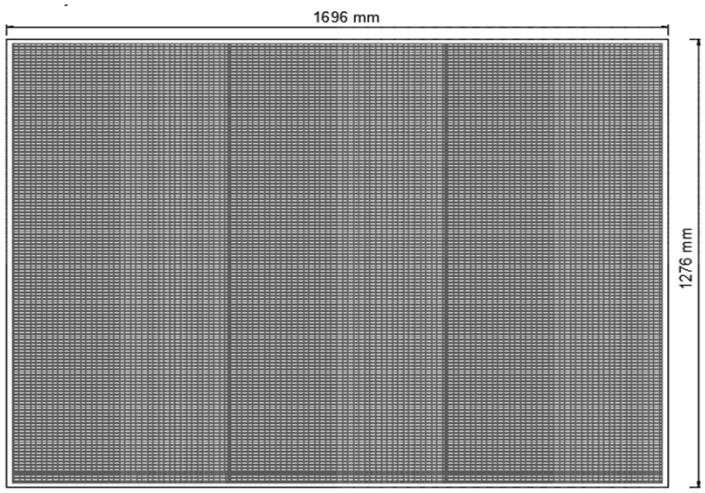
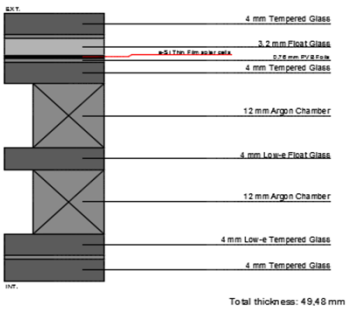
TECHNICAL DATA - GL.06

PV GLASS DIMENSIONS



PV GLASS CONFIGURATION



Total thickness: 49,48 mm

GLASS PROPERTIES	Onyx Equivalent Glass
Solar Factor/SHGC	37.00%
Light Transmission	26.70%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	0,7
Peak Power [Wp/sqm]	27,3

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