



<b>PHOTOVOLTAIC GLASS</b>		<b>700 x 500</b>
033BN-7000500-10-2		<b>S Clear-10%</b>
<b>Electrical data test conditions (STC)</b>		
Nominal peak power	17	$P_{mpp}$ (Wp)
Open-circuit voltage	37,80	$V_{oc}$ (V)
Short-circuit current	0,65	$I_{sc}$ (A)
Voltage at nominal power	28,35	$V_{mpp}$ (V)
Current at nominal power	0,58	$I_{mpp}$ (A)
Power tolerance not to exceed	$\pm 5$	%
STC: 1000 w/m <sup>2</sup> , AM 15 and a cell temperature of 25°C, stabilized module state.		
<b>Mechanical description</b>		
Length	700	mm
Width	500	mm
Thickness	7,16	mm
Surface area	0,35	sqm
Weight	5,60	Kgs
Cell type	$\alpha$ -Si	Thin Film
Transparency degree	S	Clear-10%
PV Active Glass	3,2 mm	Float Glass
Rear Glass	3,2 mm	Float Glass
Thickness encapsulation	0,76 mm	PVB Foils
<b>Junction Box</b>		
Protection	IP65	
Wiring Section	2,5 mm <sup>2</sup> or 4,0 mm <sup>2</sup>	
<b>Limits</b>		
Maximum system voltage	1000	$V_{sys}$ (V)
Operating module temperature	-40...+85	°C
<b>Temperature Coefficients</b>		
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

### PV GLASS DIMENSIONS

### PV GLASS CONFIGURATION

EXT.

3.2 mm Float Glass ( $\frac{1}{8}$ "

a-Si Thin Film solar cells

0.76 mm PVB Foils

3.2 mm Float Glass ( $\frac{1}{8}$ "

INT.

Total thickness: 7.16 mm ( $\frac{9}{32}$ "

### NOTES

- \* For optical and further mechanical properties, please go to: Technical Guide. 6.-Other Properties.
- \* Optional: Insulating Glass Unit. U value (W /sqm.K), please go to: Technical Guide. 7.-Insulating Glass Unit.
- \* Junction box type and configuration could be adapted for clients request or project needs.

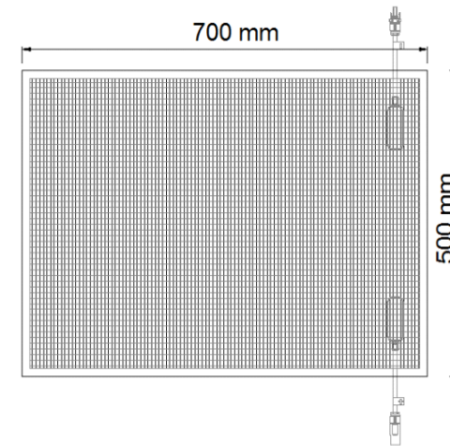
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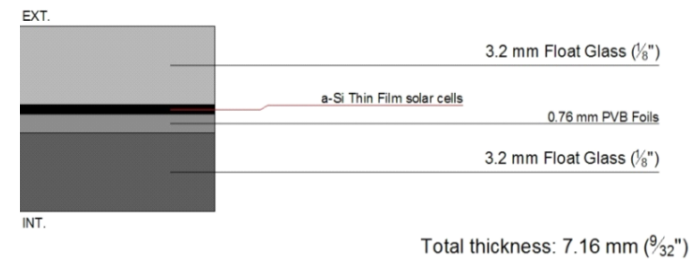
<b>PHOTOVOLTAIC GLASS</b>		<b>700 x 500</b>
033BN-7000500-20-2		<b>M Clear-20%</b>
<b>Electrical data test conditions (STC)</b>		
Nominal peak power	14	$P_{mpp}$ (Wp)
Open-circuit voltage	37,80	$V_{oc}$ (V)
Short-circuit current	0,55	$I_{sc}$ (A)
Voltage at nominal power	28,35	$V_{mpp}$ (V)
Current at nominal power	0,49	$I_{mpp}$ (A)
Power tolerance not to exceed	$\pm 5$	%
STC: 1000 w/m <sup>2</sup> , AM 15 and a cell temperature of 25°C, stabilized module state.		
<b>Mechanical description</b>		
Length	700	mm
Width	500	mm
Thickness	7,16	mm
Surface area	0,35	sqm
Weight	5,60	Kgs
Cell type	a-Si	Thin Film
Transparency degree	M	Clear-20%
PV Active Glass	3,2 mm	Float Glass
Rear Glass	3,2 mm	Float Glass
Thickness encapsulation	0,76 mm	PVB Foils
<b>Junction Box</b>		
Protection	IP65	
Wiring Section	2,5 mm <sup>2</sup> or 4,0 mm <sup>2</sup>	
<b>Limits</b>		
Maximum system voltage	1000	$V_{sys}$ (V)
Operating module temperature	-40...+85	°C
<b>Temperature Coefficients</b>		
Temperature Coefficient of $P_{mpp}$	-0,19	%/°C
Temperature Coefficient of $V_{oc}$	-0,28	%/°C
Temperature Coefficient of $I_{sc}$	+0,09	%/°C

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### PV GLASS DIMENSIONS

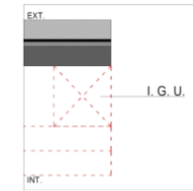


### PV GLASS CONFIGURATION



### NOTES

- \* For optical and further mechanical properties, please go to: Technical Guide. 6.-Other Properties.
- \* Optional: Insulating Glass Unit. U value (W/sqm.K), please go to: Technical Guide. 7.-Insulating Glass Unit.
- \* Junction box type and configuration could be adapted for clients request or project needs.





<b>PHOTOVOLTAIC GLASS</b>		<b>700 x 500</b>
		<b>6" Poly Crystalline</b>
<b>Electrical data test conditions (STC)</b>		
Nominal peak power	23	$P_{mpp}$ (Wp)
Open-circuit voltage	3,67	$V_{oc}$ (V)
Short-circuit current	8,04	$I_{sc}$ (A)
Voltage at nominal power	3,08	$V_{mpp}$ (V)
Current at nominal power	7,56	$I_{mpp}$ (A)
Power tolerance not to exceed	± 10	%
STC: 1000 w/m <sup>2</sup> , AM 1.5 and a cell temperature of 25°C, stabilized module state.		
<b>Mechanical description</b>		
Length	700	mm
Width	500	mm
Thickness	9,8	mm
Surface area	0,35	sqm
Weight	7,00	Kgs
Cell type	6" Poly	Crystalline
No PV cells / Transparency degree	6	61%
Front Glass	4 mm	Tempered Glass Low-Iron
Rear Glass	4 mm	Tempered Glass
Thickness encapsulation	1,80 mm	EVA Foils
<b>Junction Box</b>		
Protection	IP65	
Wiring Section	2,5 mm <sup>2</sup> or 4,0 mm <sup>2</sup>	
<b>Limits</b>		
Maximum system voltage	1000	$V_{sys}$ (V)
Operating module temperature	-40... +85	°C
<b>Temperature Coefficients</b>		
Temperature Coefficient of Pmpp	-0,451	%/°C
Temperature Coefficient of Voc	-0,361	%/°C
Temperature Coefficient of Isc	+0,08	%/°C

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### PV GLASS DIMENSIONS

### PV GLASS CONFIGURATION

EXT.

4 mm Tempered Glass Low-Iron

6" Poly-Crystalline Solar Cells

0.90 mm EVA Foils

4 mm Tempered Glass

INT.

Total thickness: 9.80 mm

### NOTES

- \* For optical and further mechanical properties, please go to: Technical Guide. 6.-Other Properties.
- \* Optional: Insulating Glass Unit. U value (W/sqm.K), please go to: Technical Guide. 7.-Insulating Glass Unit.
- \* Junction box type and configuration should be analyzed as per clients request or project needs.

EXT.

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INT.