



# XN184BP

Monocrystalline X-Cells

Bifacial Solar Cell - Aquila 2.PB

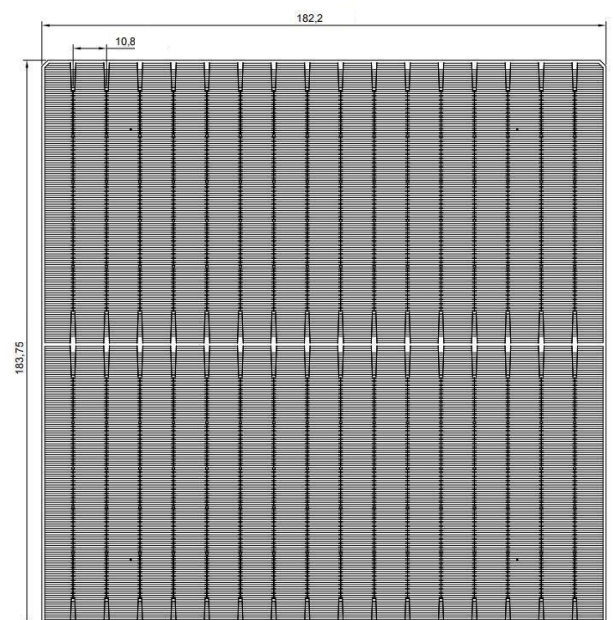
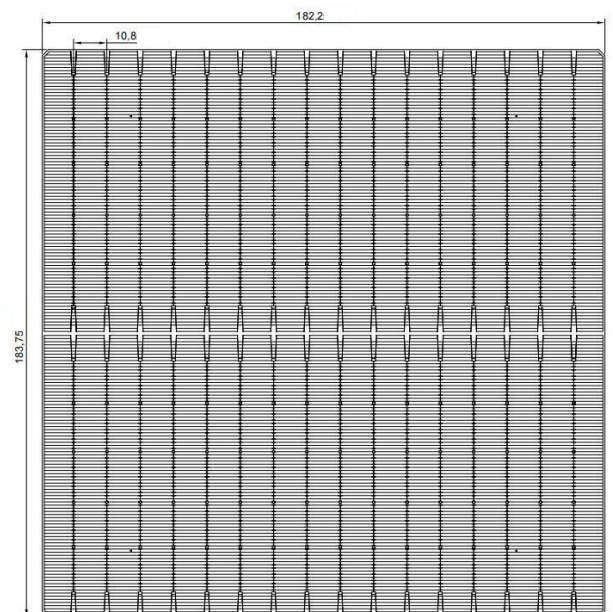
Dimension	182.2 mm x 183.75 mm $\pm$ 1%
Thickness(Si)	130 $\pm$ 30 $\mu$ m
Front	Anisotropically texturized surface and dark silicon nitride anti-reflection coatings 0.06 $\pm$ 0.05 mm silver busbars
Back	Polished surface and dark silicon nitride anti-reflection coatings 1.2 $\pm$ 0.15 mm silver busbars with discontinuous soldering pads

## ► Features

- > High conversion efficiencies resulting in superior power output performance
- > No light induced degradation (LID)
- > Outstanding power output even in low light or high temperature conditions
- > Optimized design for ease of soldering and lamination
- > Long-term stability, reliability and performance
- > Low breakage rate
- > Uniform color

## ► Production and Quality Control

- > Precision cell efficiency sorting procedures
- > Stringent criteria for color uniformity and appearance
- > Reverse current and shunt resistance screening
- > ISO 9001, ISO 14001, and ISO 45001 certificated



\* See the reverse side for more detail

## Electrical Performance

Efficiency Code		256	255	254	253	252	251
Efficiency	Eff (%)	25.60	25.50	25.40	25.30	25.20	25.10
Power	$P_{pm}$ (W)	8.57	8.53	8.50	8.47	8.43	8.40
Max. Power Current	$I_{pm}$ (A)	13.27	13.26	13.24	13.24	13.23	13.23
Short Circuit Current	$I_{sc}$ (A)	13.88	13.88	13.87	13.87	13.87	13.87
Max. Power Voltage	$V_{pm}$ (V)	0.646	0.644	0.642	0.640	0.637	0.635
Open Circuit Voltage	$V_{oc}$ (V)	0.738	0.738	0.737	0.735	0.734	0.733

Efficiency Code		250	249	248	247	246	245
Efficiency	Eff (%)	25.00	24.90	24.80	24.70	24.60	24.50
Power	$P_{pm}$ (W)	8.37	8.33	8.30	8.27	8.23	8.20
Max. Power Current	$I_{pm}$ (A)	13.22	13.20	13.20	13.19	13.17	13.16
Short Circuit Current	$I_{sc}$ (A)	13.87	13.86	13.86	13.86	13.85	13.85
Max. Power Voltage	$V_{pm}$ (V)	0.633	0.631	0.629	0.627	0.625	0.623
Open Circuit Voltage	$V_{oc}$ (V)	0.732	0.731	0.730	0.729	0.728	0.727

Standard test condition : AM1.5, 1000W/m<sup>2</sup>, 25°C.

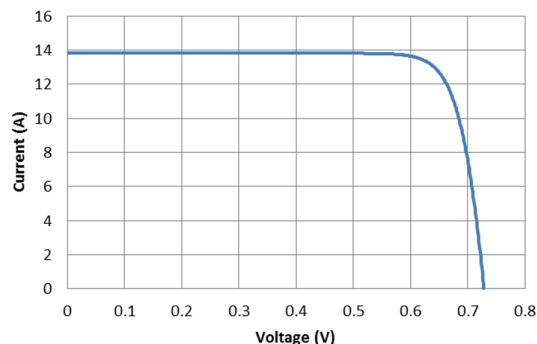
Average accuracy of all tested figures is  $\pm 1.5\%$  rel.

## Temperature Coefficients

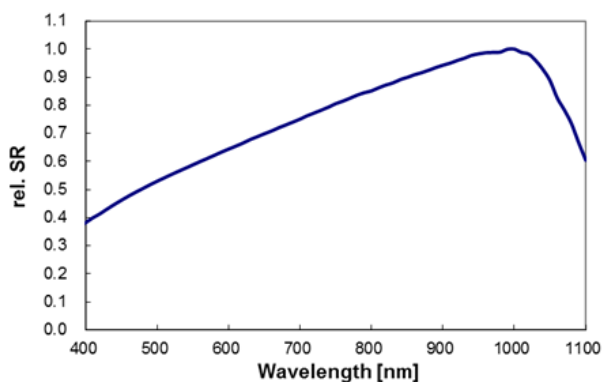
Current Temperature Coefficient	0.045 %/°C
Voltage Temperature Coefficient	-0.25 %/°C
Power Temperature Coefficient	-0.30 %/°C

Standard test condition : AM1.5, 1000W/m<sup>2</sup>, 25°C.

## IV Curve



## Spectral Response(SR)



Specifications subject to change without prior notice.  
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