



Made in Germany

EN

# US300P72B-3BB

**Polycrystalline PV Module**  
*Black frame*



Revision 01-2015



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## STC\*

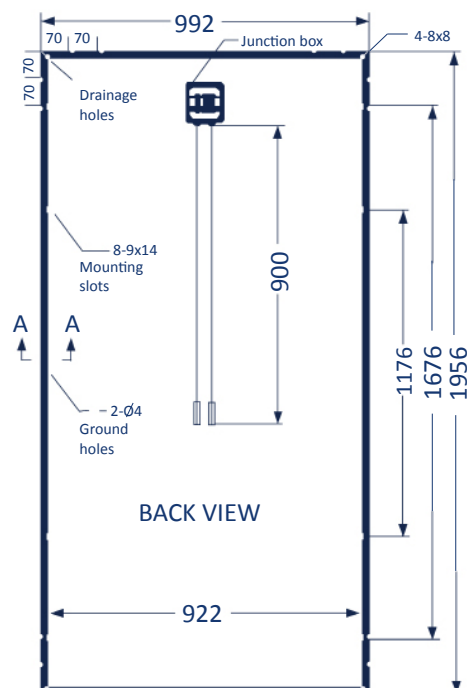
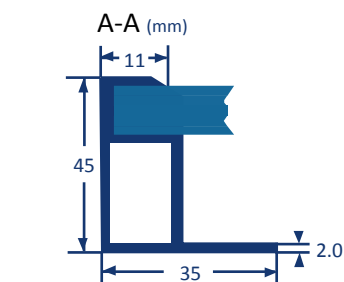
Type	US280P72B-3BB	US290P72B-3BB	US300P72B-3BB
P <sub>max</sub> [W]	280	290	300
V <sub>mpp</sub> [V]	35.30	35.80	36.10
I <sub>mpp</sub> [A]	7.93	8.10	8.31
V <sub>oc</sub> [V]	44.10	44.50	44.70
I <sub>sc</sub> [A]	8.61	8.69	8.88
Max. System Voltage	1000V DC	1000V DC	1000V DC

\* STC – Standard Test Conditions, measurement conditions: intensity irradiation 1000 W/m<sup>2</sup>, spectral distribution AM 1.5, temperature 25 ± 2°C, according to standard EN 60904-3

\*\* Power Measuring tolerances ± 3%

## Mechanical characteristics

Solar Cells	72 crystalline solar cells, 156 x 156 mm
Glass	Solar glass with anti-reflection surface treatment, 3.2 mm
IP protection level	IP65/IP67
Bypass-Diodes	3 pcs.
Cables and connector	Junction box with MC4 (pluggable) connectors, cable: 2 x 900 mm / 4 mm <sup>2</sup>
Dimensions (LxWxH)	1956 x 992 x 45 mm
Weight	22.3 kg
Mechanical ratings	Suction pressure of 2400 Pa approved (Wind speed 130 km/h with safety factor 3), load of 5400 Pa approved



## Temperature Coefficients

Type	US300P72B-3BB <i>Black frame</i>
NOCT	47 ± 2 °C
P <sub>max</sub>	- 0.45%/K
V <sub>oc</sub>	- 0.33%/K
I <sub>sc</sub>	0.05%/K
Operating Temperature Range	- 40 °C bis + 85 °C

## Packaging

Container	20" GP	40" HC
Pallets	8/4	20/4
Number per pallet	24/18	23/18
Amount	268	532

Unimen Solar reserves the right to change specifications without notice.



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