

US310/315/320P72

Polycrystalline PV Module



US310/315/320P72

STC*

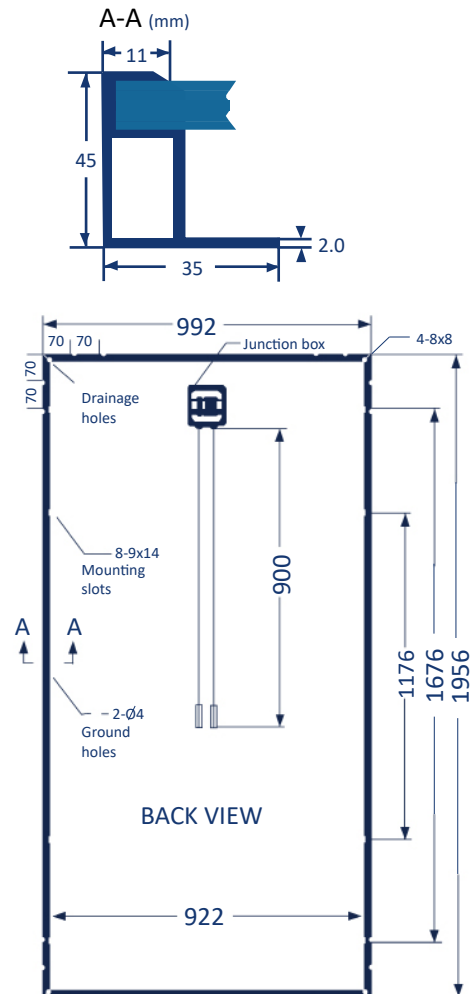
Type	US310P72	US315P72-3BB	US320P72-3BB
Pmax [W]	310	315	320
Vmpp [V]	38.38	38.81	39.02
Imp [A]	8.08	8.12	8.20
Voc [V]	45.72	45.94	46.03
Isc [A]	8.74	8.84	8.89
Module efficiency	16.03	16.28	16.54
Cells efficiency	17.87	18.16	18.45
Max. System Voltage	1000V DC	1000V DC	1000V DC

* STC – Standard Test Conditions, measurement conditions: intensity irradiation 1000 W/m², 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 ²
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	US320P72 Poly
NOCT	47 ± 2 °C
Pmax	- 0.45%/K
Voc	- 0.33%/K
Isc	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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