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Solar Panel Guide Specification Data Sheet

Unimen Solar GmbH

US300M60

US300M60B

Also available on the web at
EnergyPal.com/unimen-solar-gmbh-solar-panels/us300m60b

US300M60

Monocrystalline PV Module



US300M60

STC*

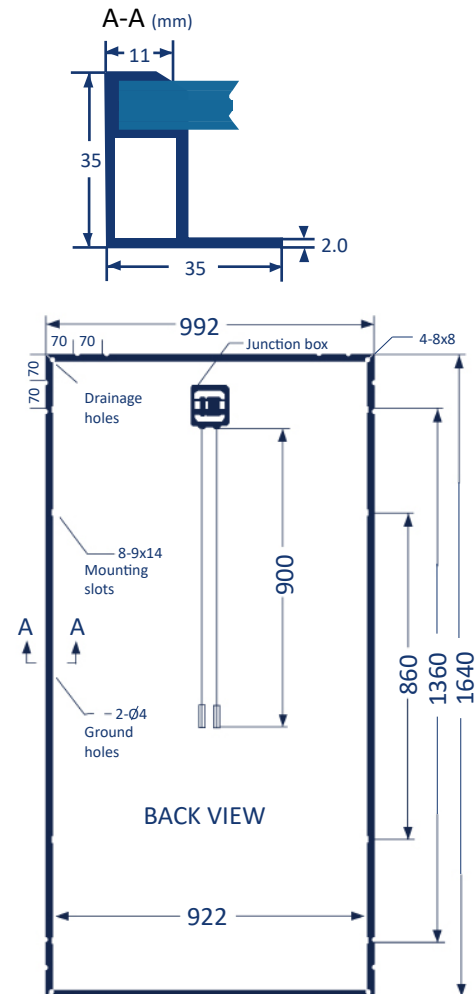
Type	US290M60B	US295M60B	US300M60B
Pmax [W]	290	295	300
Vmpp [V]	32.20	32.50	32.60
Imp [A]	9.01	9.08	9.19
Voc [V]	39.50	39.70	39.90
Isc [A]	9.50	9.55	9.64
Module efficiency [%]	17.70	18.00	18.30
Max. System Voltage	1000V DC	1000V DC	1000V DC

* 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	60 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)	1640 x 992 x 35 mm
Weight	18.2 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	US300M60 Mono
NOCT	44 ± 2 °C
Pmax	- 0.41%/K
Voc	- 0.32%/K
Isc	0.06%/K
Operating Temperature Range	- 40 °C bis + 85 °C

Packaging

Container	20" GP	40" HC
Pallets	14	28
Number per pallet	26 x 12 + 16 x 2	30
Amount	344	840

Unimen Solar reserves the right to change specifications without notice.



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