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Solar Panel Guide Specification Data Sheet

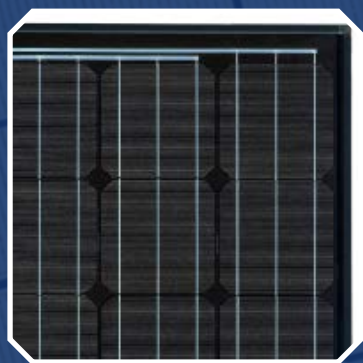
**Unimen Solar GmbH
US300M60B All black
US280M60B**

Also available on the web at
EnergyPal.com/unimen-solar-gmbh-solar-panels/us280m60b

US300M60B

Monocrystalline PV Module

All black



US300M60B *All black*

STC*

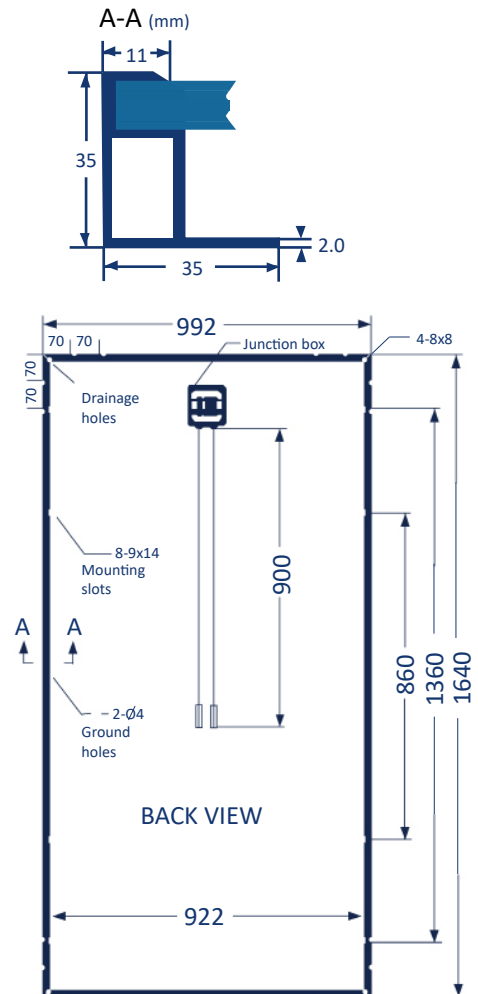
Type	US280M60B	US290M60B	US300M60B
P _{max} [W]	280	290	300
V _{mpp} [V]	32.94	33.32	33.72
I _{mpp} [A]	8.50	8.72	8.93
V _{oc} [V]	39.06	39.46	39.87
I _{sc} [A]	9.07	9.18	9.29
Max. System Voltage	1000V DC	1000V DC	1000V DC

* 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	19.3 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	US300M60B <i>All black</i>
NOCT	47 ± 2 °C
P _{max}	- 0.39%/K
V _{oc}	- 0.34%/K
I _{sc}	0.036%/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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Unimen Solar Co., Ltd
Mergenthalerallee 79-81
65760 Eschborn
Germany

Tel.: +49(0)6196 769 1872
Fax: +49(0)6196 777 3897
info@unimen-solar.de
www.unimen-solar.de

