

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

**Call: 1-800-990-3725**

**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

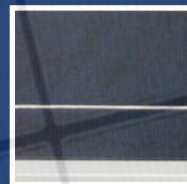
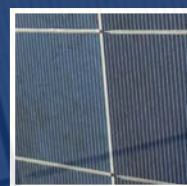
## **Solar Panel Guide Specification Data Sheet**

**Unimen Solar GmbH  
US265P/270P/275P/280P-20  
US270P-20**

Also available on the web at  
[EnergyPal.com/unimen-solar-gmbh-solar-panels/us270p-20](http://EnergyPal.com/unimen-solar-gmbh-solar-panels/us270p-20)

# US 265P/270P/275P/280P-20

Polycrystalline PV Module



# US 265P/270P/275P/280P-20

## STC\*

Type	US265P-20	US270P-20	US275P-20	US280P-20
P <sub>max</sub> [W]	265	270	275	280
V <sub>mpp</sub> [V]	30.96	31.20	31.56	31.61
I <sub>mpp</sub> [A]	8.56	8.66	8.72	8.86
V <sub>oc</sub> [V]	38.13	38.20	38.40	38.72
I <sub>sc</sub> [A]	9.10	9.20	9.21	9.46
Module efficiency [%]	16.29	16.60	16.82	17.12
Cells efficiency [%]	18.33	18.68	18.90	19.20
Max. System Voltage	1000V DC	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

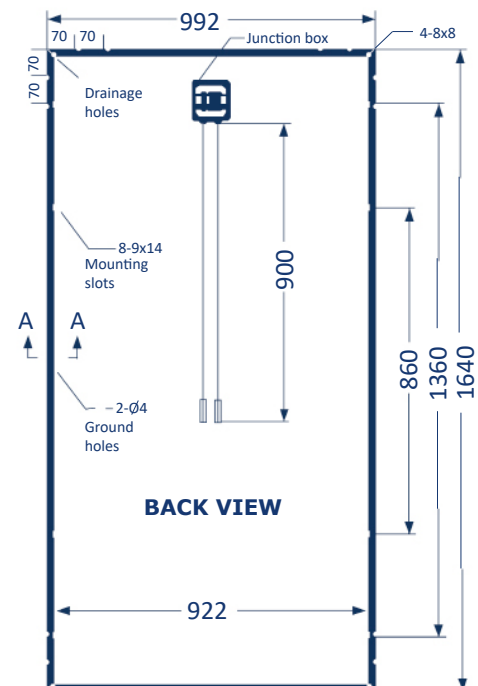
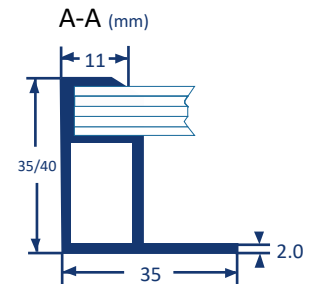
Solar Cells	60 crystalline solar cells, 156 x 156 mm
Glass	Solar glass with anti-reflection surface treatment, 3.2 mm
IP protection level	IP65/IP67
Bypass-Diodes	3 pcs.
Cables and connector	Junction box with MC4 (pluggable) connectors, cable: 2 x 900 mm / 4 mm <sup>2</sup>
Dimensions (LxWxH)	1640 x 992 x 35/40 mm
Weight	18.0 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	US270P-20 Poly
NOCT	47 ± 2 °C
P <sub>max</sub>	- 0.43%/K
V <sub>oc</sub>	- 0.41%/K
I <sub>sc</sub>	0.08%/K
Operating Temperature Range	- 40 °C bis + 85 °C

## Packaging

Container	20" GP	40" HC
Pallets	14	14
Number per pallet	26	60/67
Amount	364	840/938



Unimen Solar reserves the right to change specifications without notice.



Revision 03-2017

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

