

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

Newsolar Energy Co., Ltd.

N6M270W-290W

N6M285W60P

Also available on the web at
EnergyPal.com/newsolar-energy-co-ltd-solar-panels/n6m285w60p

High Quality Solar Module

N6M270W-290W



- ★ 0-5W positive power sorting
- ★ Salt mist and ammonia corrosion tests passed
- ★ Wind load up to 3800 Pa
Snow load up to 5400 Pa
- ★ Stable performance under weak light conditions

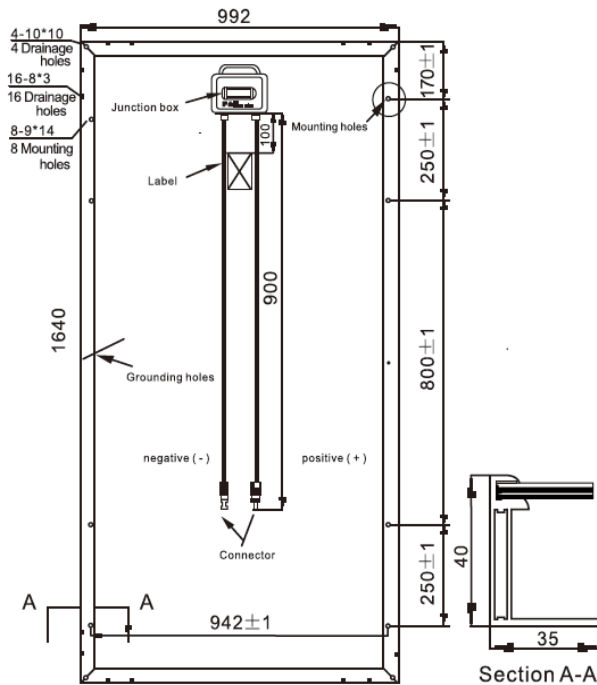


10 year

Product Warranty

25 year

Power Warranty



Newsolar Energy Co.,Ltd

Taiwan Headquarter

TEL: +886-2-22691686

Fax: +886-2-22691985

Website: <http://www.newsolar.com.tw>

Email: info@newsolar.com.tw

Address: 5F-1., No. 2, Sec. 4, Zhongyang Rd., Tucheng

Dist., New Taipei City 23678, Taiwan (R.O.C)

China Suzhou

Address: No.345, Huxin Road, Yun Dong Economic-Technological Development Area,

Wujiang District, Suzhou City, Jiangsu, China 215200



Electrical Characteristics

Type	N6M270W60P	N6M275W60P	N6M280W60P	N6M285W60P	N6M290W60P
Maximum Power (Pmax)	270W	275W	280W	285W	290W
Open Circuit Voltage (Voc)	38.2V	38.3V	38.5V	38.7V	38.9V
Short Circuit Current (Isc)	9.17A	9.25A	9.37A	9.49A	9.60A
Voltage at Maximum Power (Vmpp)	31.0V	31.3V	31.5V	31.7V	31.9V
Current at Maximum Power (Imp)	8.71A	8.79A	8.89A	8.99A	9.09A
Module Efficiency	16.60%	16.90%	17.20%	17.52%	17.83%
Power Tolerance	0/+5W				
Operating Module Temperature	-40°C to +85°C				
Maximum System Voltage	1500VDC (IEC) / 600VDC (UL)				
Maximum Series Fuse Rating	15A				
Temperature Characteristics	Nominal Operating Cell Temperature (NOCT)	45+/-2°C			
	Temperature Coefficient of Pmax	-0.42%/°C			
	Temperature Coefficient of Voc	-0.32%/°C			
	Temperature Coefficient of Isc	0.05%/°C			

Mechanical Characteristics

Number of cells	60 cells (6x10)
Dimension	1640X992X40mm
Weight	20.0Kgs
Junction Box	IP65/IP67 rated (3 bypass diodes)
Output Cables	TUV(2Pfg1169 : 2007), UL 4703, 4.0 mm ² , Symmetrical length (-) 900 mm and (+) 900 mm
Connectors	MC4 compatible
Front	Glass 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Mechanical load test	5400Pa

Packing Configuration

Container	20'GP	40'GP
Pieces per pallet	26	29
Pallets per contain	12	28
Pieces per contain	312	812

Newsolar Energy Co.,Ltd

Taiwan Headquarter

TEL: +886-2-22691686

Fax: +886-2-22691985

Website: <http://www.newsolar.com.tw>

Email: info@newsolar.com.tw

Address: 5F-1., No. 2, Sec. 4, Zhongyang Rd., Tucheng

Dist., New Taipei City 23678, Taiwan (R.O.C)

China Suzhou

Address: No.345, Huxin Road, Yun Dong Economic-Technological Development Area,
Wujiang District, Suzhou City, Jiangsu, China 215200