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EnergyPal

Solar Panel Guide Specification Data Sheet

Newsolar Energy Co., Ltd.

N6P305W-320W

N6P310W72P

Also available on the web at
EnergyPal.com/newsolar-energy-co-ltd-solar-panels/n6p310w72p

High Quality Solar Module



N6P305W-320W

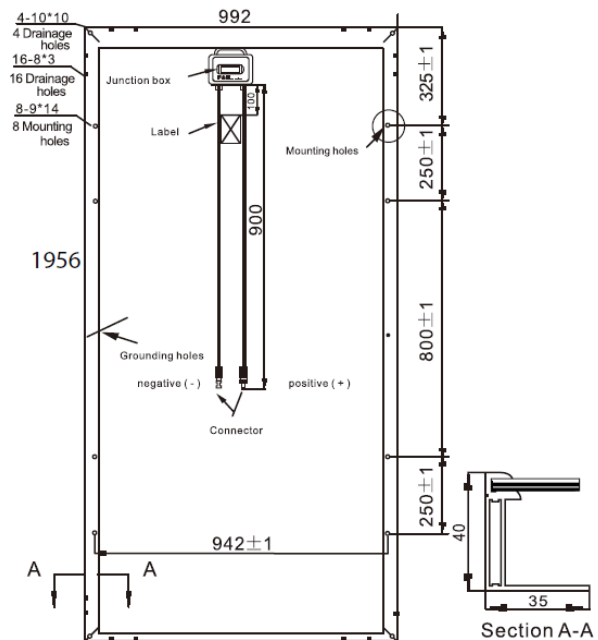
- ★ 0-5W positive power sorting
- ★ Salt mist and ammonia corrosion tests passed
- ★ Wind load up to 3800 Pa
Snow load up to 5400 Pa
- ★ Stable performance under weak light conditions

10 year

Product Warranty

25 year

Power Warranty



Newsolar Energy Co.,Ltd

Taiwan Headquarter

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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	N6P305W72P	N6P310W72P	N6P315W72P	N6P320W72P
Maximum Power (Pmax)	305W	310W	315W	320W
Open Circuit Voltage (Voc)	45.3V	45.3V	45.5V	45.5V
Short Circuit Current (Isc)	8.94A	9.07A	9.17A	9.32A
Voltage at Maximum Power (Vmpp)	36.5V	36.5V	36.7V	36.7V
Current at Maximum Power (Impp)	8.35A	8.49A	8.58A	8.72A
Module Efficiency	15.71%	15.97%	16.23%	16.48%
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	72 cells (6x12)
Dimension	1956X992X40mm
Weight	23.0Kgs
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	26
Pallets per container	10	22
Pieces per container	260	572

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