



NEO SOLAR POWER

Authorized Vendor

NSP Plus

72-cell Monocrystalline Photovoltaic Module

POWERED BY



D6M320E4AME 320Wp
D6M325E4AME 325Wp
D6M330E4AME 330Wp

Mitsubishi Electric is collaborating with Neo Solar Power (NSP) on the NSP Plus, a new series of 72-cell monocrystalline modules designed specifically for the commercial and industrial market. The NSP Plus combines the strength of Mitsubishi Electric's innovative cell design technology with NSP's manufacturing expertise.

Quality Starting from the Core

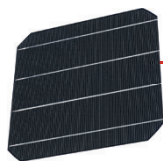
With more than 40 years' experience in the photovoltaic industry, Mitsubishi Electric recognizes the importance of selecting high quality materials, beginning with the cell. Each cell produced by Mitsubishi Electric undergoes a rigorous selection process to ensure that all cells in the module have uniform characteristics for optimal performance. As a pioneer in the four bus bar cells, Mitsubishi Electric builds cells with less electrical resistance and greater output. This reduces the chance of micro-fractures, making the Mitsubishi Electric cell one of the most reliable and durable in the industry.

Built with Manufacturing Excellence

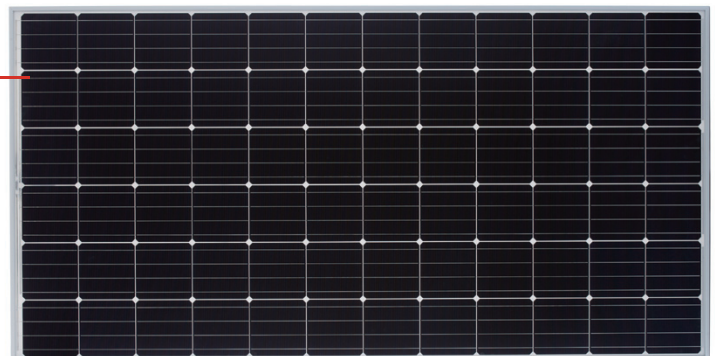
Recognized by Deloitte & Touche among the top 6 in Deloitte Technology Fast 500 in Asia, NSP is a growing global module manufacturer known for outstanding quality and customer satisfaction. NSP's vision is to provide clean, renewable and cost-effective energy through technology and manufacturing excellence. NSP modules are certified key independent laboratories to maintain the highest quality products possible. Like Mitsubishi Electric, NSP is focused on building reliable products that exceed industry standards.

FEATURES

- 25 years** Linear performance warranty
- 10 years** Workmanship & materials warranty
- +4.99 W** Positive power tolerance
- 1000 volts** Maximum system voltage
- 5400 Pa** Mechanical snow load
- Resists Ammonia** Ammonia resistance tested
- 96.5%** Excellent low light performance
- 100%** 100% EL inline inspection
- 2000 hours** Accelerated aging test
2000 hours damp heat test
400 thermal cycles



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Through innovative research and development, Mitsubishi Electric's four bus bar design maximizes cell efficiency. Reducing the distance between bus bars decreases resistance, increases power output, and maximizes cell strength.

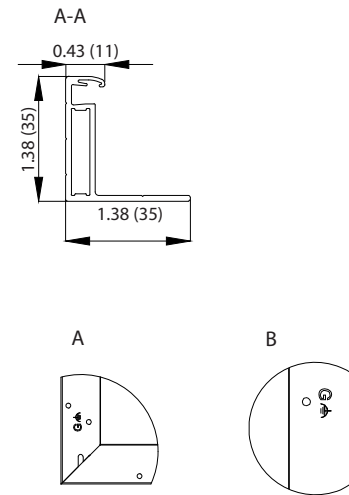
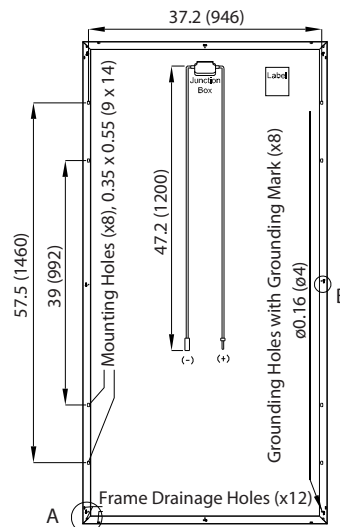
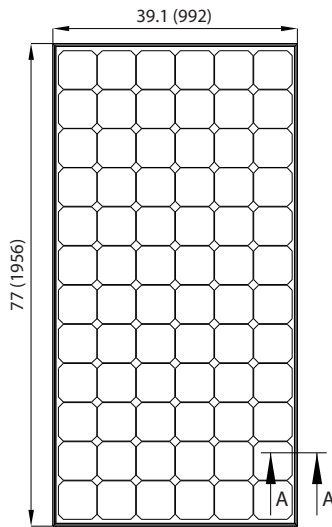
NSP Plus

Module Specifications

NSP Plus by Neo Solar Power			
Model name	D6M320E4AME	D6M325E4AME	D6M330E4AME
Cell type	Mitsubishi Monocrystalline Silicon, 156 mm x 156 mm		
Number of cells	72 cells		
Maximum power rating (Pmax)	320W	325W	330W
Warranted minimum Pmax	320W	325W	330W
PV USA test condition rating (PTC)	286.0Wp	290.6Wp	295.3Wp
Open circuit voltage (Voc)	45.46V	45.65V	45.92V
Short circuit current (Isc)	9.16A	9.24A	9.32A
Maximum power voltage (Vmp)	37.09V	37.22V	37.38V
Maximum power current (Imp)	8.64A	8.74A	8.85A
Module efficiency	16.5%	16.7%	17.0%
Aperture efficiency	18.2%	18.5%	18.8%
Tolerance of maximum power rating	+4.99 W		
Mechanical Load test passed	5,400 Pa		
Number of bus bars per cell	4		

Normal operating cell temperature (NOCT)	44°C ± 2°C
Maximum system voltage, DC	1000V (UL), 1000V (IEC)
Fuse Rating	15A
Dimensions	77.0 x 39.1 x 1.38 inch (1956 x 992 x 35 mm)
Weight	50.7 lbs (23kg)
Number of modules per pallet	30
Number of modules per container (40 ft. HQ container)	660
Output terminal	Renhe 05-6
Output cable, (+) & (-)	47.2 inches (1200 mm)
Certifications	UL 1703, IEC 61215/IEC 61730
Fire rating	Type 2

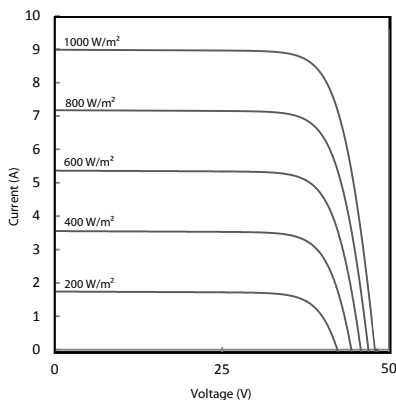
Drawings and Dimensions Unit: inch (mm)



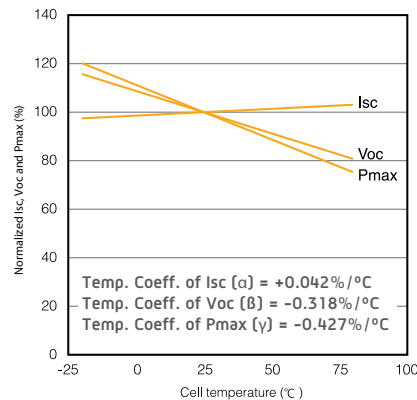
Electrical Characteristics

Electrical Performance

Cell Temperature: 25°C — Current-Voltage

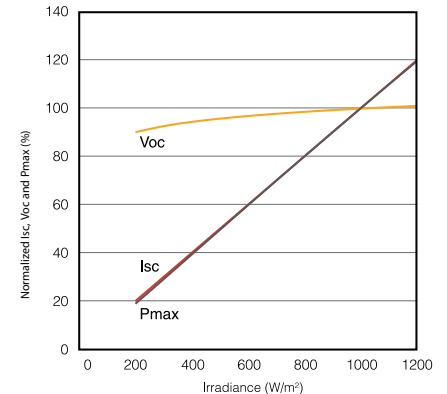


Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax

Cell Temperature: 25°C



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