

# D6M\_E3A

## 260W - 290W

### Mono-Crystalline Photovoltaic Module



Positive power tolerance  
0~+4.99 watt



Withstand strong wind/snow load up to 5400 Pa  
Pass ASTM E330; Maximum wind speed: 197 km/h (safety factor 3)  
(Short-side installation  $\geq$  2400 Pa guaranteed)



Excellent low light performance  
3.5% relative eff. reduction at low-irradiance (200W/m<sup>2</sup>)



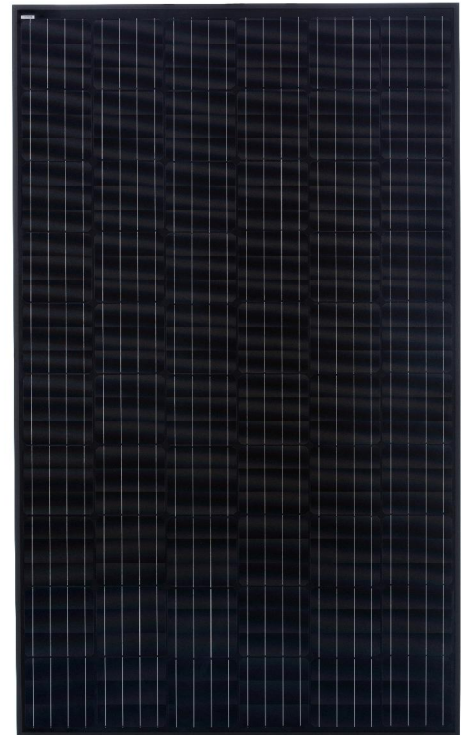
100% EL inline inspection  
Better module reliability



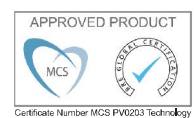
Prolonged aging test  
2000 hours damp heat test; 400 thermal cycles



Ammonia resistance  
According to IEC 62716 Ed. 1



www.tuv.com  
ID 0000039214



Certificate Number MCS PV0203 Technology

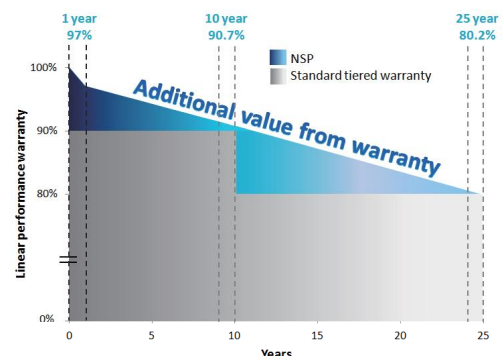


### Reliability & Certification

- Product guarantee: 10-year  
Linear Performance Warranty
- 1-year: 97% power output then power degradation 0.7% per year till 25th year
  - 25-year: 80.2% power output
  - 10-year: 90.7% power output

IEC 61215 / IEC61730, CE, MCS, UL1703, CEC

\* Please refer to NSP product warranty for details



For more information, please visit us at [www.nsp.com](http://www.nsp.com)



# NEO SOLAR POWER

## Electrical Data

MODEL	D6M 260 E3A	D6M 265 E3A	D6M 270 E3A	D6M 275 E3A	D6M 280 E3A	D6M 285 E3A	D6M 290 E3A
Maximum Rating Power (Pmax)	260 W	265 W	270 W	275 W	280 W	285 W	290 W
Module Efficiency	16.0%	16.3%	16.6%	16.9%	17.2%	17.5%	17.8%
Open Circuit Voltage (Voc)	38.21 V	38.29 V	38.37 V	38.74 V	39.05 V	39.16 V	39.31 V
Maximum Power Voltage (Vmpp)	30.81 V	30.98 V	31.15 V	31.43 V	31.69 V	31.81 V	32.02 V
Short Circuit Current (Isc)	8.92 A	9.08 A	9.23 A	9.30 A	9.39 A	9.49 A	9.59 A
Maximum Power Current (Impp)	8.44 A	8.56 A	8.67 A	8.75 A	8.84 A	8.96 A	9.06 A

\*Electrical data under Standard Test Conditions (STC): Cell Temperature of 25 °C, Irradiance 1000 W/m<sup>2</sup>, AM 1.5

\*Values w/o tolerance are typical numbers

\*Specifications subject to change

## Mechanical Data

Item	Specification
Dimension	1640 mm (L) x 992 mm (W) x 40 mm (D) / 64.5" (L) x 39.1" (W) x 1.57" (D)
Weight	18.5 kg / 40.8 lbs
Solar Cell	60 monocrystalline 6" silicon cells (156 mm x 156 mm)
Front Glass	Anti-reflective tempered solar glass, 3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, black
Junction Box	IP 67 rated
Frame	Anodized aluminum frame, black
Packaging Configuration	26 pcs Per Pallet, 728 pcs Per 40' container

## Operating Conditions

Item	Specification
Mechanical Load	5400 Pa (Certified by TUV Rheinland)
Maximum System Voltage	DC 1000 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

## Temperature Characteristics

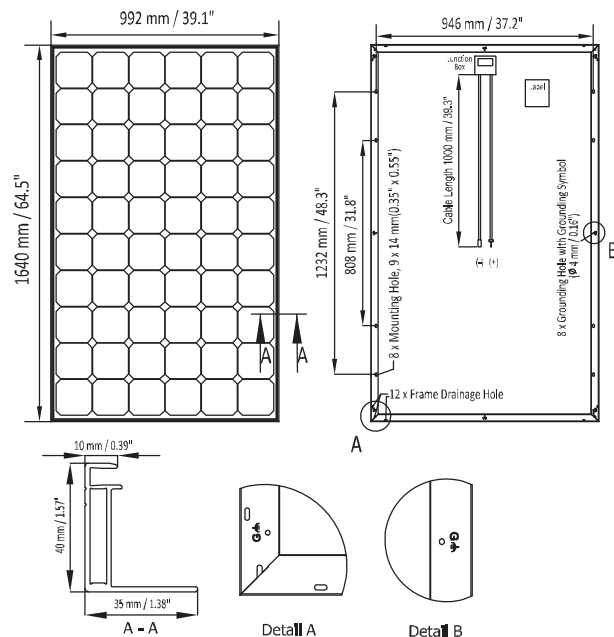
Item	Specification
Nominal Operating Cell Temperature	46 °C ± 2 °C
Temperature Coefficient of Isc	0.042 % / °C
Temperature Coefficient of Voc	-0.318 % / °C
Temperature Coefficient of Pmax	-0.427 % / °C

\* Nominal Operating Cell Temperature (NOCT): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 °C, Wind Speed 1 m/s

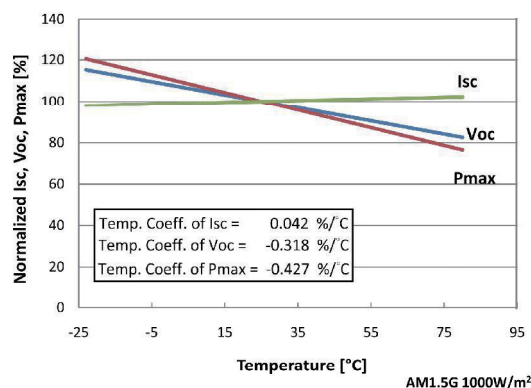
\* Please refer to NSP's Standard Module Installation Manual before using the product

\* Reduction in efficiency from 1000 W/m<sup>2</sup> to 200 W/m<sup>2</sup> at 25 °C: 3.5% ± 2 %

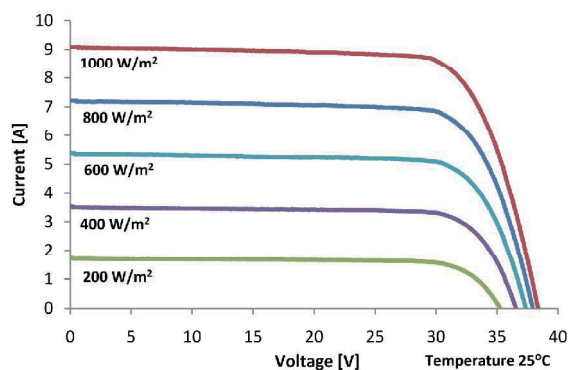
## Front View & Back View



## Dependence on Temperature



## Dependence on Irradiance



## Contact Us

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