



NEO SOLAR POWER

# D6P\_B3A-BS 240W - 260W

Multi-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)



Excellent low light performance  
4% 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



Certified ammonia resistance  
According to IEC 62716 Ed. 1



Compliance with RoHS and REACH



www.tuv.com  
ID 0000039214



Certificate No. BAPT8518



## Reliability & Certification

Product guarantee: 10-year

Performance warranty

- 25-year: minimum 80% power output

- 10-year: minimum 90% power output

IEC 61215 / IEC 61730, UL1703, CE, MCS, 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	D6P240B3A	D6P245B3A	D6P250B3A	D6P255B3A	D6P260B3A
Maximum Rating Power (Pmax)	240 W	245 W	250 W	255 W	260 W
Module Efficiency	14.7%	15.0%	15.3%	15.6%	15.9%
Open Circuit Voltage (Voc)	36.99 V	37.16 V	37.33 V	37.50 V	37.67 V
Maximum Power Voltage (Vpm)	29.76 V	30.05 V	30.34 V	30.64 V	30.93 V
Short Circuit Current (Isc)	8.54 A	8.61 A	8.69 A	8.76 A	8.83 A
Maximum Power Current (Ipm)	8.06 A	8.15 A	8.24 A	8.32 A	8.43 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

## Mechanical Data

Item	Specification
Dimension	1650 mm (L) x 990 mm (W) x 42 mm (D) / 65" (L) x 39" (W) x 1.65" (D)
Weight	18.3 kg / 40.3 lbs
Solar Cell	60 multicrystalline 6" silicon cells (156 mm x 156 mm)
Front Glass	Anti-reflective tempered solar glass, 3.2 mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, black
Junction Box	IP 65 rated
Frame	Anodized aluminum frame, black

## Operating Conditions

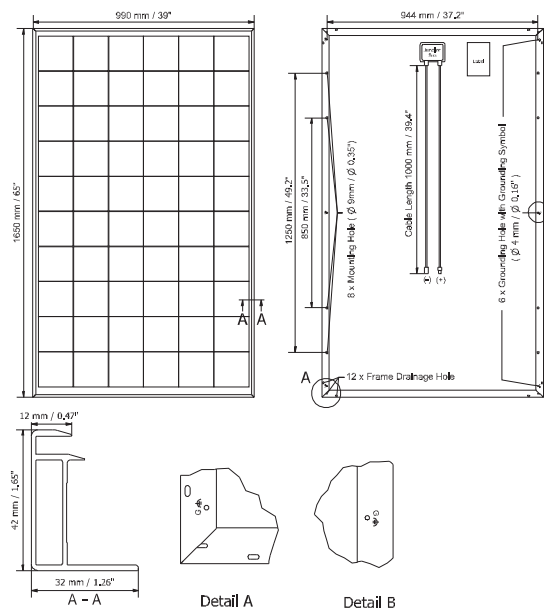
Item	Specification
Mechanical Load	5400 Pa (Certified by TUV Rheinland)
Maximum System Voltage	IEC: DC 1000 V / UL: DC 600 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

## Temperature Characteristics

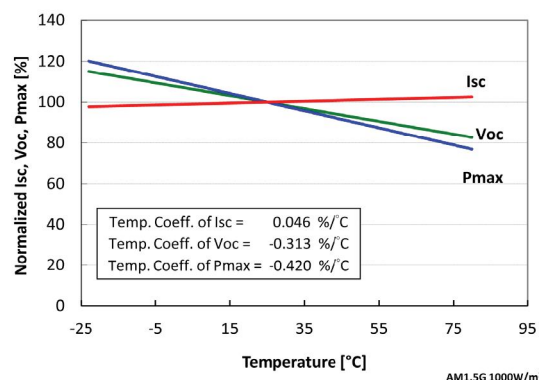
Item	Specification
Nominal Operating Cell Temperature	44.1 °C ± 2°C
Temperature Coefficient of Isc	0.046 % / °C
Temperature Coefficient of Voc	-0.313 % / °C
Temperature Coefficient of Pmax	-0.420 % / °C

\* 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: 4% ± 2 %

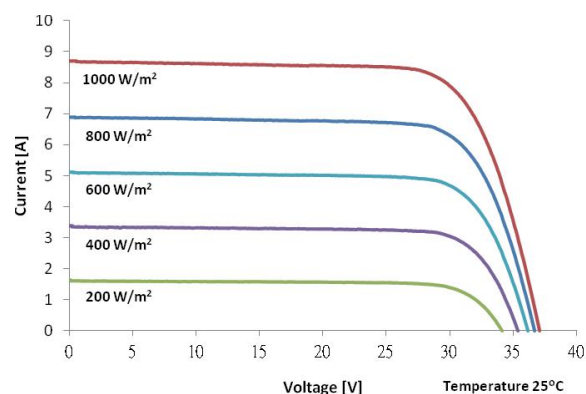
## Front View & Back View



## Dependence on Temperature



## Dependence on Irradiance



## Contact Us

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