

D6P_B3A-WS

250W - 275W

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
3.5% relative eff. reduction at low-irradiance (200W/m²)



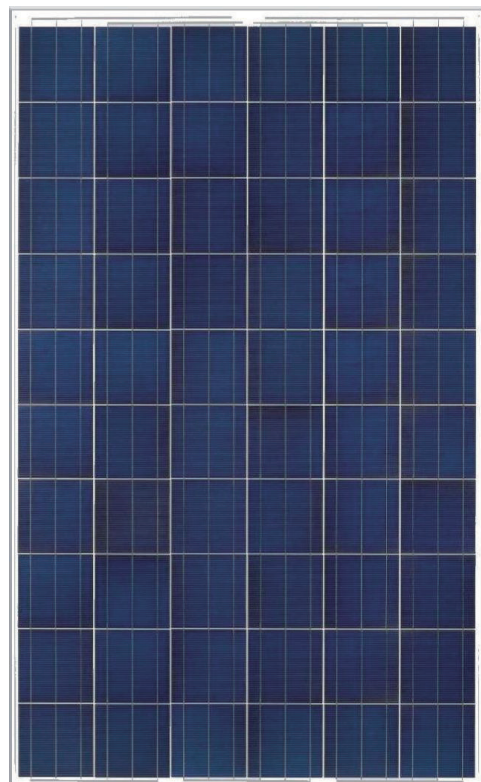
100% EL inline inspection
Better module reliability



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



Certified ammonia resistance
According to IEC 62716 Ed. 1



www.tuv.com
ID 0000039214



Certificate No. BABT8518



■ Reliability & Certification

Product guarantee: 10-year

Performance warranty

- 25-year: minimum 80% power output

- 10-year: minimum 90% power output

IEC 61215 / IEC 61730, CE, MCS

* Please refer to NSP product warranty for details



NEO SOLAR POWER

Electrical Data

MODEL	D6P250B3A	D6P255B3A	D6P260B3A	D6P265B3A	D6P270B3A	D6M275B3A
Maximum Rating Power (Pmax)	250 W	255 W	260 W	265 W	270 W	275 W
Module Efficiency	15.4%	15.7%	16.0%	16.3%	16.6%	16.9%
Open Circuit Voltage (Voc)	37.43 V	37.71 V	37.99 V	38.42 V	38.53 V	38.63 V
Maximum Power Voltage (Vpm)	29.86 V	30.16 V	30.46 V	30.79 V	30.92 V	31.1 V
Short Circuit Current (Isc)	8.91 A	9.01 A	9.10 A	9.11 A	9.17 A	9.23 A
Maximum Power Current (Ipm)	8.37 A	8.45 A	8.54 A	8.64 A	8.73 A	8.85 A

*Electrical data under Standard Test Conditions (STC): Cell Temperature of 25 °C, Irradiance 1000 W/m², AM 1.5

*Values w/o tolerance are typical numbers

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 multicrystalline 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, white
Junction Box	IP 65 rated
Frame	Anodized aluminum frame, original or black

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

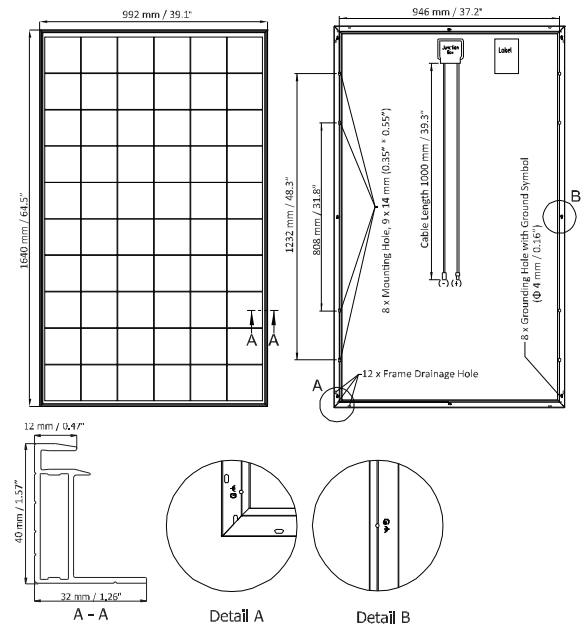
Item	Specification
Nominal Operating Cell Temperature	44.1 °C ± 2 °C
Temperature Coefficient of Isc	0.046 % / °C
Temperature Coefficient of Voc	-0.313 % / °C
Temperature Coefficient of Pmax	-0.420 % / °C

* Nominal Operating Cell Temperature (NOCT): Irradiance 800W/m², Ambient Temperature 20 °C, Wind Speed 1 m/s

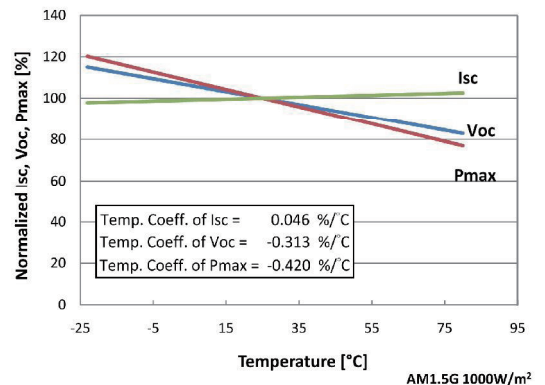
* Please refer to NSP's Standard Module Installation Manual before using the product

* Reduction in efficiency from 1000 W/m² to 200 W/m² at 25 °C: 3.5% ± 2 %

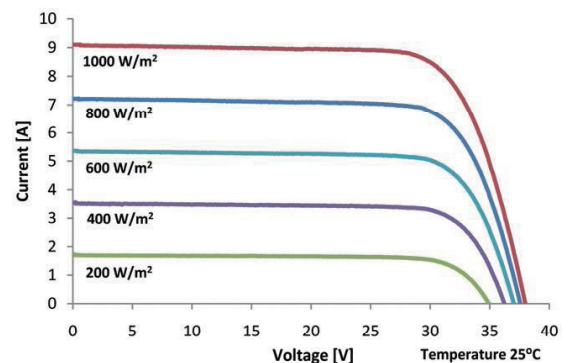
Front View & Back View



Dependence on Temperature



Dependence on Irradiance



Contact Us

Neo Solar Power Corporation

Headquarters: 7, Li-Hsin 3rd Rd., Hsinchu
Science Park, Hsinchu, 30078, Taiwan

Tel: +886-3-578-0011
Fax: +886-3-578-1255

www.nsp.com

Email: sales.module@nsp.com
Website: www.nsp.com