NEO SOLAR POWER

POWER

D6M_E3A
260W - 290W
Mono-Crystalline Photovoltaic Module

Positive power tolerance
0~+4.99 watt

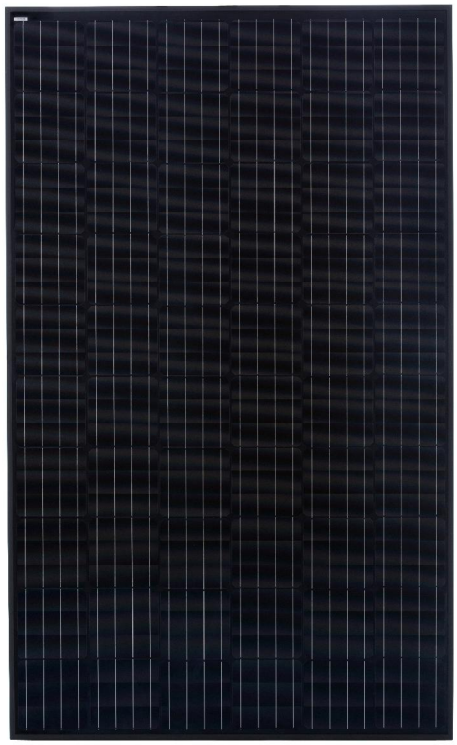
Withstand strong wind/snow load up to 5400 Pa
Pass ASTM E330; Maximum wind speed: 197 km/h (safety factor 3)
(Short-side installation ≥ 2400 Pa guaranteed)

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

Ammonia resistance
According to IEC 62716 Ed. 1



TÜVRheinland CERTIFIED
www.tuv.com
ID 0000039214

APPROVED PRODUCT
Certificate Number MCS PV0203 Technology

c UL us LISTED
PHOTOVOLTAIC MODULE
E330639

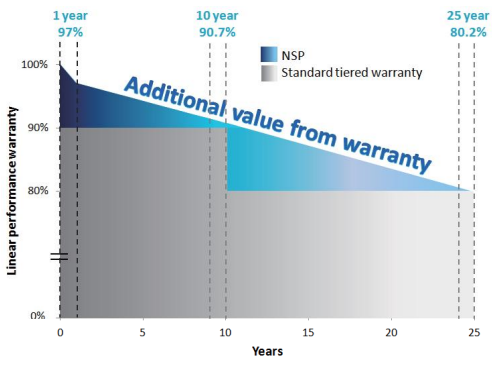
CE

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**

Specifications are subject to change without notice.

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/m², 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

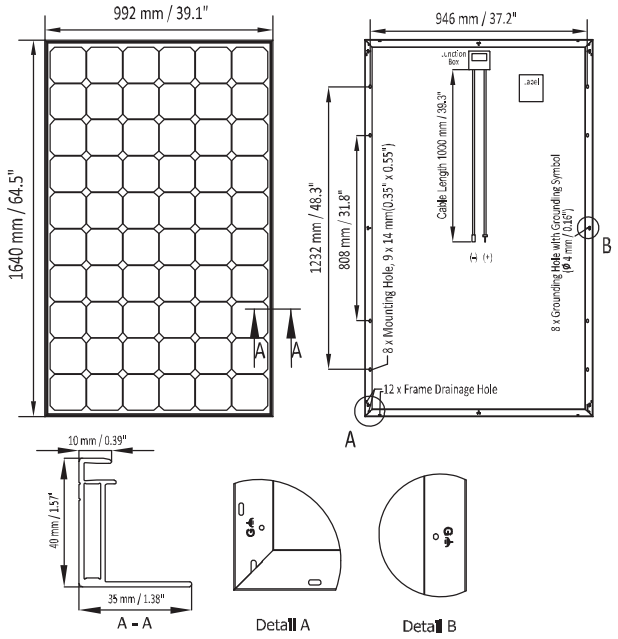
Item	Specification
Mechanical Load	5400 Pa (Certified by TUV Rheinland)
Maximum System Voltage	DC 1000 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

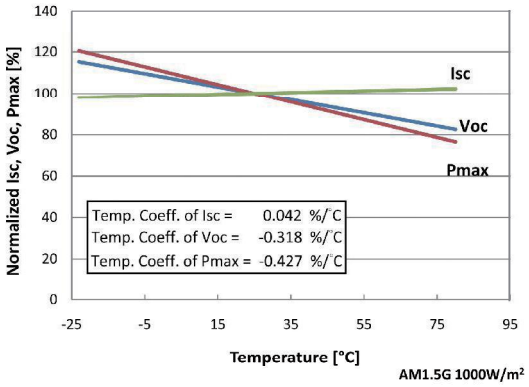
Item	Specification
Nominal Operating Cell Temperature	46 °C ± 2°C
Temperature Coefficient of Isc	0.042 % / °C
Temperature Coefficient of Voc	-0.318 % / °C
Temperature Coefficient of Pmax	-0.427 % / °C

* Nominal Operating Cell Temperature (NOCT): Irradiance 800W/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 %

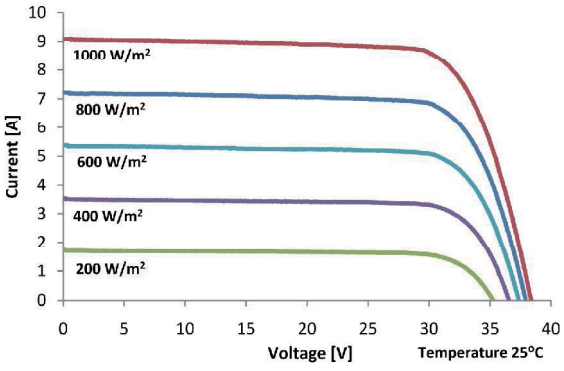
Front View & Back View



Dependence on Temperature



Dependence on Irradiance



Contact Us

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