

D6M_H4A / 72 cells

355W - 380 W

Mono-Crystalline PV Module

NSP Power series module uses NSP own high efficiency p-PERC mono crystalline solar cells with aesthetic black design, and advanced module manufacturing experiences.



Key Features



Positive power tolerance
+0 ~ +4.99 watt



100% EL inline inspection
Better module reliability



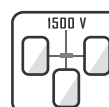
Withstand heavy loading
front load 5400 Pa & rear load 2400 Pa



Ammonia resistance
According to IEC 62716 Ed. 1



Excellent low light performance
3.5% relative eff. Reduction at
low-irradiance (200W/m²)



Design for 1500 VDC
Reduce the system BOS effectively

Neo Solar Power Corp.

Founded in 2005 by Dr. Quincy Lin (former Senior VP of TSMC) and Dr. Sam Hong (former Director of ITRI Research Division), Neo Solar Power Corporation (NSP) is a leading manufacturer of high performance and high quality solar cells and modules. With core competitive advantages in quality, technology and customer service, NSP became the world's largest merchant solar cell manufacturer by volume in 2013. After selling DelSolar to NSP, Delta Electronics (2308, TT) became the biggest shareholder of NSP with an 18% holding. Leveraging current leading position in solar cell technology, NSP will further expand into the global solar systems businesses, aiming to become the leading solar system integrator in the world.



Electrical Data

| Model - STC | | D6M355H4A | D6M360H4A | D6M365H4A | D6M370H4A | D6M375H4A | D6M380H4A |
|-----------------------------|-----|-----------|-----------|-----------|-----------|-----------|-----------|
| Maximum Rating Power (Pmax) | [W] | 355 | 360 | 365 | 370 | 375 | 380 |
| Module Efficiency | [%] | 18.3 | 18.6 | 18.8 | 19.1 | 19.3 | 19.6 |
| Open Circuit Voltage (Voc) | [V] | 47.16 | 47.44 | 47.67 | 47.81 | 47.93 | 48.06 |
| Maximum Power Voltage | [V] | 38.63 | 39.01 | 39.38 | 39.40 | 39.45 | 39.55 |
| Short Circuit Current (Isc) | [A] | 9.70 | 9.77 | 9.84 | 9.91 | 9.96 | 10.11 |
| Maximum Power Current | [A] | 9.19 | 9.23 | 9.27 | 9.41 | 9.51 | 9.61 |

*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m², AM 1.5

*Values without tolerance are typical numbers.

Mechanical Data

| Item | Specification |
|-------------------------|--|
| Dimensions | 1956 mm (L) ¹ x 992 mm (W) ¹ x 35 mm (D) ² / 77" (L) ¹ x 39.1" (W) ¹ x 1.38" (D) ² |
| Weight | 23 kg / 50.7 lbs |
| Solar Cell | 72 monocrystalline 6" silicon cells |
| Front Glass | Anti-reflective tempered solar glass, 3.2mm thickness |
| Cell Encapsulation | EVA (Ethylene-Vinyl-Acetate) |
| Back Cover | Composite film, white |
| Junction Box | IP 67 rated |
| Frame | Anodized aluminum frame, original or black |
| Packaging Configuration | 30 pcs Per Pallet, 660 pcs per 40' HQ container |

¹ : With assembly tolerance of ± 2 mm [± 0.08"]

² : With assembly tolerance of ± 0.8 mm [± 0.03"]

Operating Conditions

| Item | Specification |
|------------------------|--------------------------------------|
| Mechanical Load | 5400 Pa (Certified by TUV Rheinland) |
| Maximum System Voltage | TUV 1000 VDC / UL 1500 VDC |
| Series Fuse Rating | 15 A |
| Operating Temperature | -40 to 85 °C |

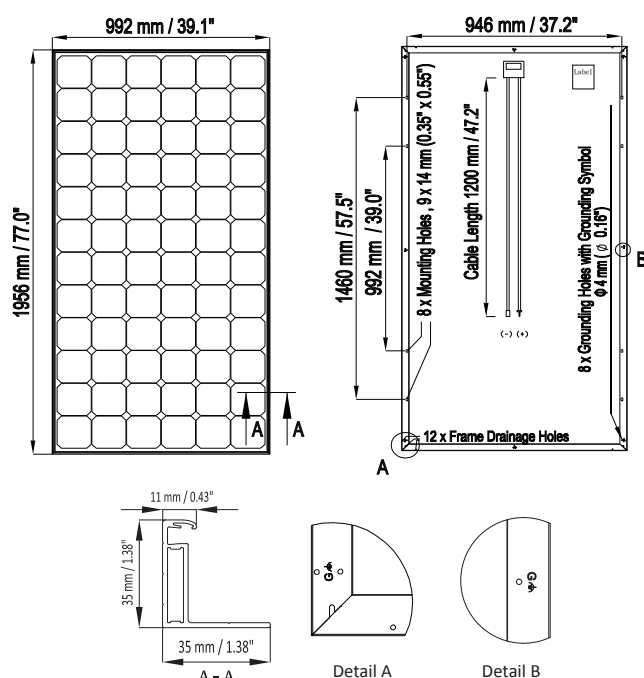
Temperature Characteristics

| Item | Specification |
|--------------------------------------|---------------|
| Nominal Module Operating Temperature | 44°C ± 2°C |
| Temperature Coefficient of Isc | 0.06 % / °C |
| Temperature Coefficient of Voc | -0.28 % / °C |
| Temperature Coefficient of Pmax | -0.38 % / °C |

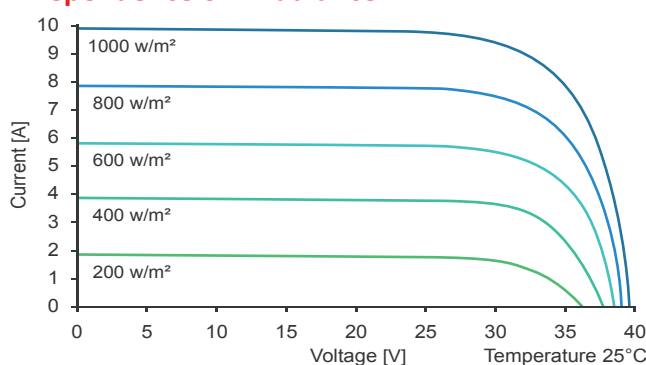
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

*Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3 ± 2%.

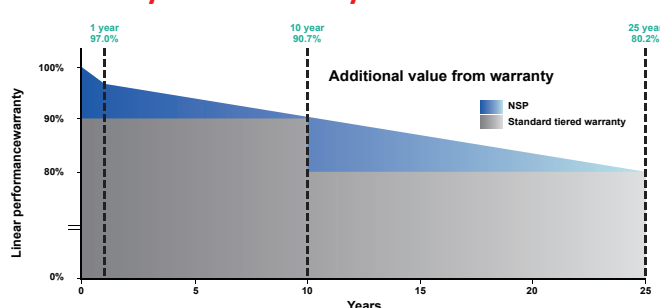
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output warranty
25
Years

Product Guarantee
10
Years

For more information, please visit us at www.nsp.com

