

LIVE UP TO GOOD SUNSHINE

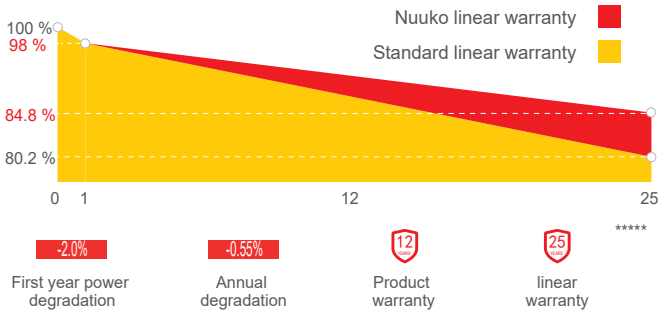
NKxxxPM5-72SB

390-415 Watt

Shingled monofacial module



Industry-leading Warranty based on nominal power



Features



Shingling Technology

Innovative structure, low-temperature adhesive bonding, high-density layout.



Low Shading Loss

Full parallel arrangement brings high effective power generation hours.



Beautiful Appearance

Uniform layout, better aesthetic.



Low System Cost

High module efficiency, reducing system cost.



Superior Safety and Reliability

No hidden welding crack, low operating temperature, high pressure resistance.



Eco-friendly

Adhering to green philosophy, no fluorine and low lead.



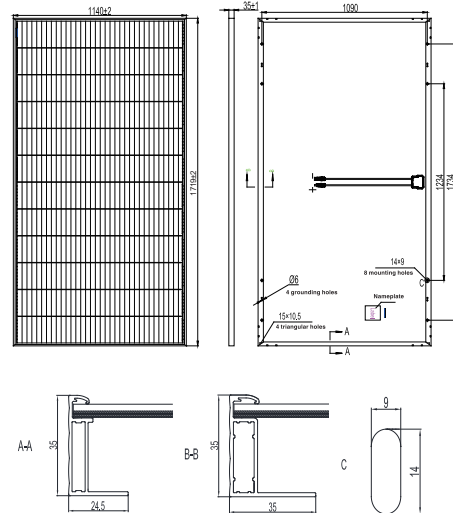
Low Hot Spot Risk

Parallel circuit design reduces shading loss.

NUUKO has been in development for more than 5 years. The company has an automated production workshop. Up to now, it has provided solar modules, system solutions and customized services for more than 40 countries around the world. NUUKO has created a "closed-loop" development model of solar module R&D and production, and distribution cooperation. Its business also covers power station development and investment, solar system integration and sales, etc. Committed to becoming the world's leading new energy company, creating a sustainable future through clean solar energy.

MECHANICAL SPECIFICATIONS

| | |
|---------------------------|---|
| Cell Type | Monocrystalline |
| Cell Dimensions | 166*166mm |
| Cell Arrangement | 120 (6*20) |
| Weight | 22.0kg (48.5lbs.) |
| Module Dimensions | 1719*1140*35mm (67.68*44.89*1.38inches) |
| Cable Length | Portrait 300mm/Landscape 1200mm/Customized |
| Cable Cross Section Size | TUV: 4mm ² (0.006inches ²)/UL: 12AWG |
| Front Glass | 3.2mm (0.13inches) AR Coating Tempered Glass |
| No. of Bypass Diodes | 3/6 |
| Packing Configuration (1) | 32pcs/carton, 704pcs/40hq |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 |



ELECTRICAL SPECIFICATIONS

| Module Type | NKxxxPM390-72SB | | NKxxxPM395-72SB | | NKxxxPM400-72SB | | NKxxxPM405-72SB | | NKxxxPM410-72SB | | NKxxxPM415-72SB | |
|-------------------------------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
| | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Rated output (Pmp/Wp) | 390 | 294 | 395 | 297 | 400 | 301 | 405 | 305 | 410 | 309 | 415 | 309 |
| Maximum Power Voltage(Vmpp/V) | 38.5 | 36.7 | 38.5 | 36.7 | 38.6 | 36.8 | 38.7 | 36.9 | 38.8 | 37.0 | 38.9 | 37.1 |
| Maximum Power Current(Imp/A) | 10.13 | 8.00 | 10.26 | 8.10 | 10.36 | 8.18 | 10.47 | 8.27 | 10.57 | 8.35 | 10.67 | 8.43 |
| Open Circuit Voltage(Voc/V) | 46.3 | 44.1 | 46.3 | 44.2 | 46.4 | 44.2 | 46.5 | 44.3 | 46.6 | 44.4 | 46.7 | 44.5 |
| Short Circuit Current(Isc/A) | 10.87 | 8.77 | 10.92 | 8.81 | 10.97 | 8.85 | 11.02 | 8.89 | 11.07 | 8.93 | 11.12 | 8.97 |
| Module efficiency(%) | 20.8% | | 21.1% | | 21.3% | | 21.6% | | 21.8% | | 22.2% | |
| Power Tolerance (W) | 0~+5 | | 0~+5 | | 0~+5 | | 0~+5 | | 0~+5 | | 0~+5 | |

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

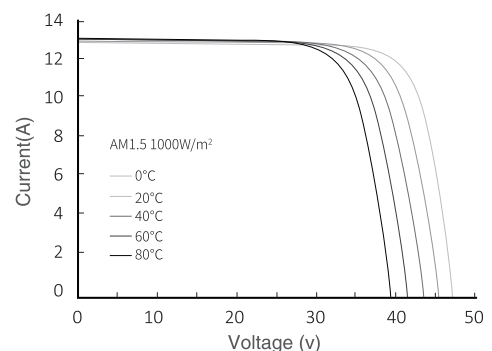
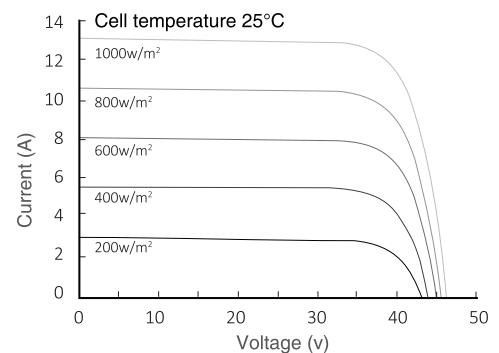
MAXIMUM RATINGS

| | |
|------------------------|--|
| Maximum System Voltage | 1000/1500V DC (IEC) |
| Operating Temperature | -40°C ~ +85°C |
| Maximum Series Fuse | 20A |
| Static Loading | Snow Loading: 5400Pa/ Wind Loading: 2400Pa |
| Conductivity at Ground | ≤0.1Ω |
| Safety Class | II |
| Resistance | ≥100MΩ |
| Connector | T01/LJQ-3-CSY/MC4/MC4-EVO2 |

TEMPERATURE CHARACTERISTICS

| | |
|--------------------------------|-----------|
| NMOT Temperature | 43°C±2°C |
| Temperature Coefficient (Pmax) | -0.34%/°C |
| Temperature Coefficient (Voc) | -0.27%/°C |
| Temperature Coefficient (Isc) | 0.040%/°C |

CURVE & TEMPERATURE DEPENDENC



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