



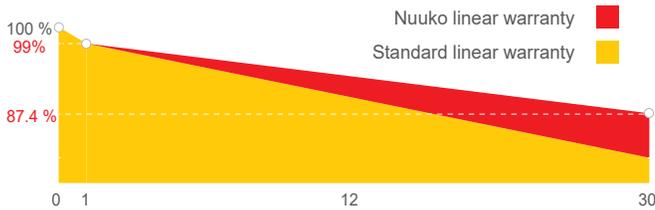
LIVE UP TO GOOD SUNSHINE

NKM-120 N Type (210R)

555-575 Watt

BIFACIAL MODULE

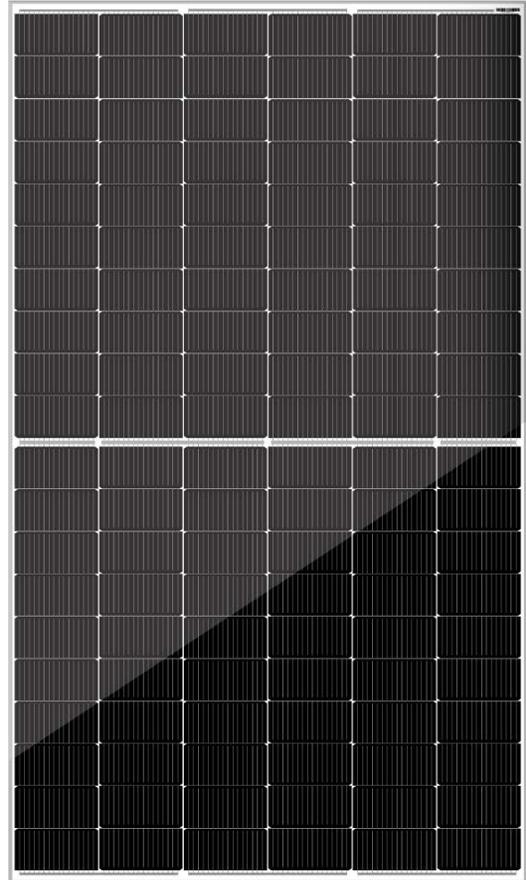
Industry-leading Warranty based on nominal power



* 0.4% Annual Degradation over 30 Years

* 15 Year Product Warranty

* 30 Year Linear Power Warranty



Features



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset



Extended wind and snow load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.

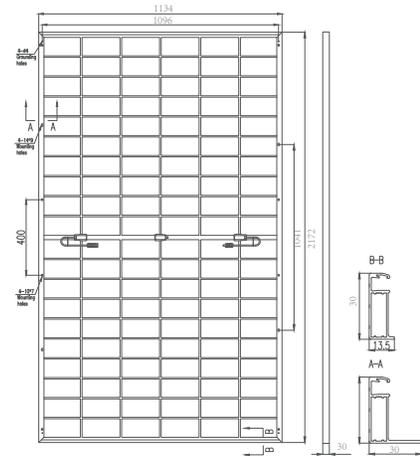


Lower LCOE

Higher bifaciality, higher power output and lower BOS cost

MECHANICAL SPECIFICATIONS

| | |
|-----------------------|--|
| Cell Type | N Type Mono-crystalline |
| Cell Arrangement | 120(6*18) |
| Weight | 30kg |
| Module Dimensions | 2172*1134*30mm |
| Cables | 4.0mm ² , ±300mm or Customized length |
| Front Glass | 2.0mm, Anti-Reflection Coating |
| Back Glass | 2.0mm, Heat Strengthened Glass |
| No. of Bypass Diodes | 3/6 |
| Packing Configuration | 36pcs/pallet, 720pcs/40HQ |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 |



ELECTRICAL SPECIFICATIONS

| Module Type | NKM555N-120BDR12 | NKM560N-120BDR12 | NKM565N-120BDR12 | NKM570N-120BDR12 | NKM575N-120BDR12 |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|
| Testing Condition | STC | STC | STC | STC | STC |
| Rated output (Pmp/Wp) | 555 | 560 | 565 | 570 | 575 |
| Maximum Power Voltage(Vmpp/V) | 36.76 | 36.97 | 37.17 | 37.37 | 37.57 |
| Maximum Power Current(Imp/A) | 15.10 | 15.15 | 15.20 | 15.25 | 15.30 |
| Open Circuit Voltage(Voc/V) | 43.57 | 43.71 | 43.85 | 43.99 | 44.13 |
| Short Circuit Current(Isc/A) | 15.90 | 15.95 | 16.00 | 16.05 | 16.10 |
| Module efficiency(%) | 22.5% | 22.7% | 22.9% | 23.1% | 23.3% |
| Power Tolerance (W) | 0~+5 | 0~+5 | 0~+5 | 0~+5 | 0~+5 |

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

BNPI

| Rated Output (Pmpp / Wp) | 615 | 620 | 626 | 631 | 637 |
|---------------------------------|-------|-------|-------|-------|-------|
| Rated Voltage (Vmpp / V) | 36.76 | 36.97 | 37.17 | 37.37 | 37.57 |
| Rated Current (Imp / A) | 16.73 | 16.78 | 16.84 | 16.89 | 16.95 |
| Open Circuit Voltage (Voc / V) | 43.57 | 43.71 | 43.85 | 43.99 | 44.13 |
| Short Circuit Current (Isc / A) | 17.61 | 17.67 | 17.72 | 17.78 | 17.83 |

Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

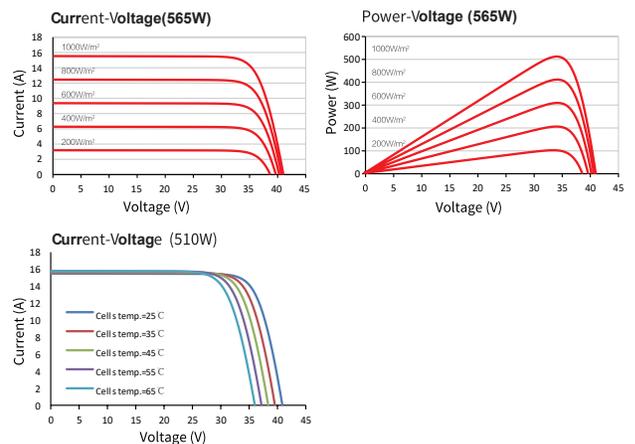
MAXIMUM RATINGS

| | |
|------------------------|--|
| Maximum System Voltage | 1500V DC |
| Operating Temperature | -40°C ~ +85°C |
| Maximum Series Fuse | 30A |
| Static Loading | Snow Loading: 5400Pa/ Wind Loading: 2400Pa |
| Protection Class | II |
| Fire Type | Class C (IEC) |
| Bifacial | 80±5% |

TEMPERATURE CHARACTERISTICS

| | |
|--------------------------------|-----------|
| NMOT Temperature | 45±2 C |
| Temperature Coefficient (Pmax) | -0.29%/ C |
| Temperature Coefficient (Voc) | -0.25%/ C |
| Temperature Coefficient (Isc) | 0.043%/ C |

CURVE & TEMPERATURE DEPENDENCE



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