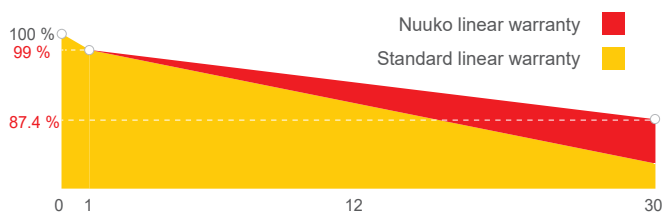


## NKM-132 N-type (210mm Cell)

# 700-730 Watt

BIFACIAL MODULE

### Industry-leading Warranty based on nominal power



\* 0.4% Annual Degradation over 30 Years

\* 12 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.



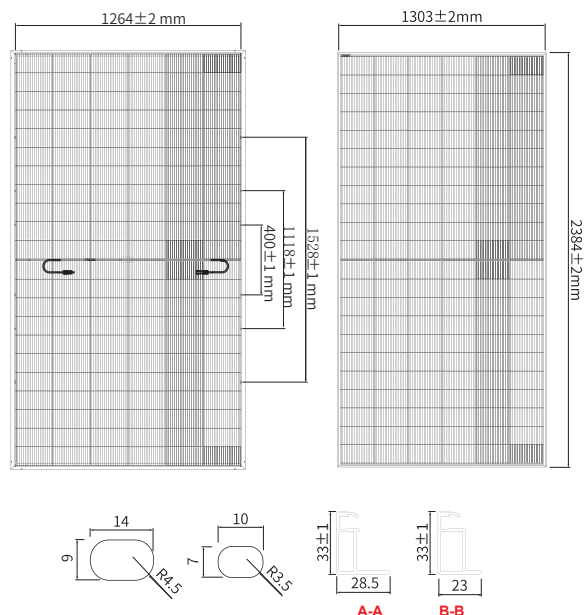
### Lower LCOE

Higher bifaciality, higher power output and lower BOS cost

# NKM-132N

## MECHANICAL SPECIFICATIONS

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Cell Type             | N type Mono-crystalline                          |
| Cell Arrangement      | 132 (6*22)                                       |
| Weight                | 37.5kg                                           |
| Module Dimensions     | 2384*1303*33mm                                   |
| Cable Length          | 4.0mm <sup>2</sup> , ±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 | 33pcs/pallet, 594pcs/40hq                        |
| Frame                 | Anodized Aluminium Alloy                         |
| Junction Box          | IP68                                             |



## ELECTRICAL SPECIFICATIONS

| Module Type                   | NKM700N-132BDG12 |       | NKM705N-132BDG12 |       | NKM710N-132BDG12 |       | NKM715N-132BDG12 |       | NKM720N-132BDG12 |       | NKM725N-132BDG12 |       | NKM730N-132BDG12 |       |
|-------------------------------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|
| Testing Condition             | STC              | NMOT  | STC              | NMOT  | STC              | NMOT  | STC              | NMOT  | STC              | NMOT  | STC              | NMOT  | STC              | NMOT  |
| Rated output (Pmp/Wp)         | 700              | 528   | 705              | 531   | 710              | 535   | 715              | 539   | 720              | 543   | 725              | 547   | 730              | 551   |
| Maximum Power Voltage(Vmpp/V) | 40.41            | 37.69 | 40.52            | 37.79 | 40.64            | 37.94 | 40.76            | 38.06 | 40.88            | 38.21 | 40.98            | 38.33 | 41.24            | 38.45 |
| Maximum Power Current(Imp/A)  | 17.33            | 14.01 | 17.40            | 14.05 | 17.47            | 14.10 | 17.54            | 14.16 | 17.61            | 14.21 | 17.69            | 14.26 | 17.70            | 14.31 |
| Open Circuit Voltage(Voc/V)   | 48.40            | 45.97 | 48.56            | 46.13 | 48.73            | 46.29 | 48.88            | 46.43 | 49.04            | 46.58 | 49.37            | 46.73 | 49.57            | 46.88 |
| Short Circuit Current(Isc/A)  | 18.40            | 14.85 | 18.46            | 14.90 | 18.53            | 14.96 | 18.60            | 15.01 | 18.67            | 15.07 | 18.63            | 15.12 | 18.67            | 15.17 |
| Module efficiency(%)          | 22.5%            |       | 22.7%            |       | 22.9%            |       | 23.0%            |       | 23.2%            |       | 23.3%            |       | 23.5%            |       |
| Power Tolerance (W)           | 0~+5             |       | 0~+5             |       | 0~+5             |       | 0~+5             |       | 0~+5             |       | 0~+5             |       | 0~+5             |       |

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

## MAXIMUM RATINGS

|                        |                                            |
|------------------------|--------------------------------------------|
| Maximum System Voltage | 1500V DC (IEC)                             |
| 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°C±2°C  |
| Temperature Coefficient (Pmax) | -0.29%/°C |
| Temperature Coefficient (Voc)  | -0.25%/°C |
| Temperature Coefficient (Isc)  | 0.045%/°C |

## CURVE & TEMPERATURE DEPENDENCE

