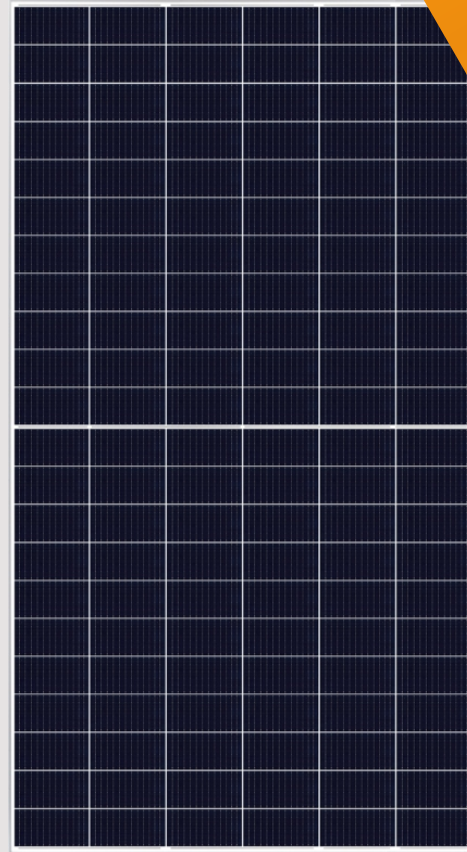




NPV132-9-675BN

- **132 CELL**
Mono TOPCON Module
- **1500VDC**
Maximum System Voltage
- **675-695Wp**
Power Output Range
- **22.4%**
Maximum Efficiency



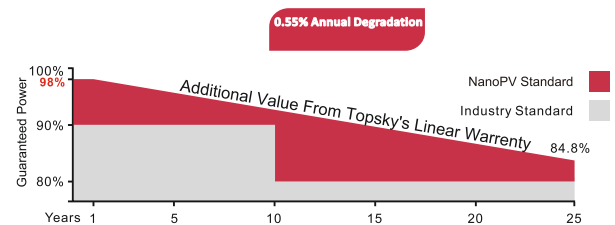
KEY SALIENT FEATURES

- Global, bankable brand, with independently certified state-of-the-art automated manufacturing
- Industry leading lowest thermal co-efficient of power
- Industry leading 12 years product warranty
- Excellent low irradiance performance
- Excellent PID resistance
- Positive power tolerance of 0~+3%
- Dual stage 100% EL Inspection warranting defect-free product
- Module Imp binning radically reduces string mismatch losses
- Excellent wind load 2400Pa & snow load 5400Pa under certain installation method
- Comprehensive product and system certification
 - ◆ IEC61215:2016; IEC61730-1/-2:2016;
 - ◆ ISO 9001:2015 Quality Management System
 - ◆ ISO 14001:2015 Environmental Management System
 - ◆ ISO 45001:2018 Occupational Health and Safety Management System

HIGH PERFORMANCE N-TYPE TOPCON MONOCRYSTALLINE MODULE

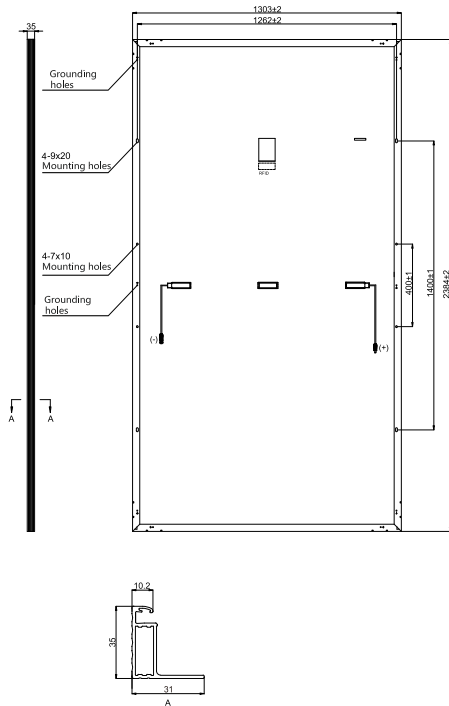
LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty



★ Please check the valid version of Limited Product Warranty which is officially released by NanoPV

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

| Model Number | NPV132-9-675BN | NPV132-9-680BN | NPV132-9-685BN | NPV132-9-690BN | NPV132-9-695BN |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|
| Rated Power in Watts-Pmax(Wp) | 675 | 680 | 685 | 690 | 695 |
| Open Circuit Voltage-Voc(V) | 47.36 | 47.55 | 47.74 | 47.93 | 48.12 |
| Short Circuit Current-Isc(A) | 17.96 | 18.02 | 18.08 | 18.14 | 18.20 |
| Maximum Power Voltage-Vmpp(V) | 39.52 | 39.70 | 39.88 | 40.06 | 40.24 |
| Maximum Power Current-Impp(A) | 17.09 | 17.14 | 17.18 | 17.22 | 17.27 |
| Module Efficiency (%) | 21.7 | 21.9 | 22.1 | 22.2 | 22.4 |

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
 ★ Module Efficiency (%): Round-off to the nearest number

ELECTRICAL DATA (NMOT)

| Model Number | NPV132-9-675BN | NPV132-9-680BN | NPV132-9-685BN | NPV132-9-690BN | NPV132-9-695BN |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|
| Rated Power in Watts-Pmax(Wp) | 511.3 | 515.1 | 518.7 | 522.2 | 526.1 |
| Open Circuit Voltage-Voc(V) | 44.05 | 44.22 | 44.40 | 44.58 | 44.75 |
| Short Circuit Current-Isc(A) | 14.73 | 14.78 | 14.83 | 14.88 | 14.93 |
| Maximum Power Voltage-Vmpp(V) | 36.67 | 36.84 | 37.01 | 37.18 | 37.34 |
| Maximum Power Current-Impp(A) | 13.94 | 13.98 | 14.02 | 14.05 | 14.09 |

NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

| | |
|--------------------|--|
| Solar cells | N-TYPE TOPCON Monocrystalline |
| Cell configuration | 132 cells (6×11+6×11) |
| Module dimensions | 2384×1303×35mm |
| Weight | 33.5kg |
| Superstrate | High Transmission, Low Iron, Tempered ARC Glass |
| Substrate | White Back-sheet |
| Frame | Anodized Aluminium Alloy, Silver Color |
| J-Box | Potted, IP68, 1500VDC, 3 Schottky bypass diodes |
| Cables | 4.0mm ² , Positive(+)350mm, Negative(-)230mm (Connector Included) |
| Connector | IP68 |

TEMPERATURE & MAXIMUM RATINGS

| | |
|---|-------------|
| Nominal Module Operating Temperature (NMOT) | 44°C±2°C |
| Temperature Coefficient of Voc | -0.25%/°C |
| Temperature Coefficient of Isc | 0.04%/°C |
| Temperature Coefficient of Pmax | -0.34%/°C |
| Operational Temperature | -40°C~+85°C |
| Maximum System Voltage | 1500VDC |
| Max Series Fuse Rating | 30A |
| Limiting Reverse Current | 30A |

PACKAGING CONFIGURATION

| | |
|--|----------------|
| | 40ft(HQ) |
| Number of modules per container | 558 |
| Number of modules per pallet | 31 |
| Number of pallets per container | 18 |
| Packaging box dimensions (LxWxH) in mm | 1320×1120×2515 |
| Box gross weight[kg] | 1090 |

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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 No special undertaking or warranty for the suitability of special purpose or being installed in extraordinary surroundings is granted unless as otherwise specifically committed by manufacturer in contract document.

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