

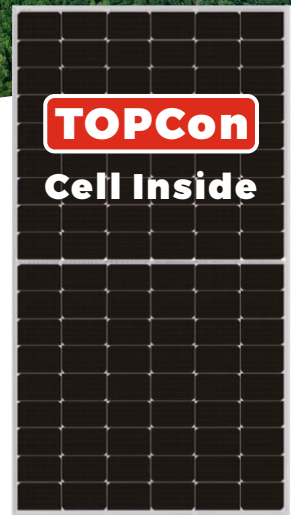
Quality Maker

CNBPOWER® SERIES **N5**



415-435W Mono

108 Half-Cell Layout
M10/182mm N-TOPCon Cell



N-TOPCon Cell Technology



Half Cut Cell Technology



SMBB Technology



Excellent Anti-PID Low LID Performance

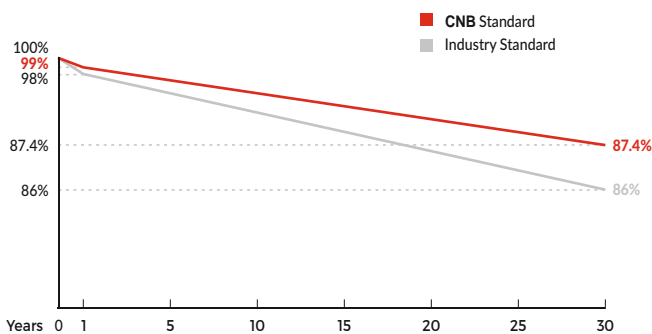


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear performance Warranty



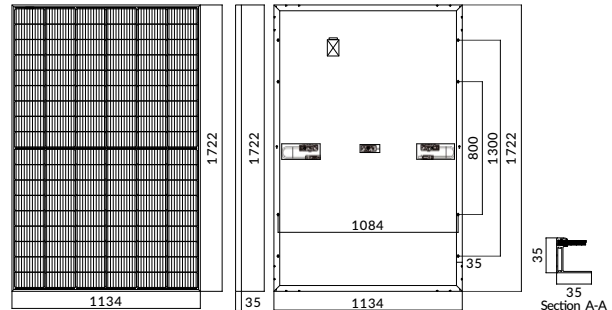
Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



MECHANICAL CHARACTERISTICS

| | |
|----------------------|-------------------------------|
| Solar Cells | N-type Mono |
| No. of Cells | 108 (6x18) |
| Dimensions | 1722 x 1134 x 35mm |
| Weight | 21.0kgs |
| Front Glass | 3.2mm coated tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | Ip68 rated (3 by pass diodes) |
| | 4.0mm ² |
| Output Cables | 300mm (+) / 300mm (-) |
| | Length can be customized |
| Connectors | Mc4 compatible |
| Mechanical load test | 5400Pa |



ELECTRICAL PARAMETERS

| POWER CLASS | LNVB-415N | | LNVB-420N | | LNVB-425N | | LNVB-430N | | LNVB-435N | |
|---------------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum power (Pmax) | 415W | 311W | 420W | 315W | 425W | 319W | 430W | 323W | 435W | 327W |
| Open Circuit Voltage (Voc) | 38.34V | 36.54V | 38.57V | 36.74V | 38.81V | 36.95V | 39.04V | 37.15V | 39.27V | 37.35V |
| Short Circuit Current (Isc) | 13.89A | 11.18A | 13.96A | 11.24A | 14.03A | 11.30A | 14.10A | 11.36A | 14.17A | 11.42A |
| Voltage at Maximum power (Vmpp) | 32.02V | 29.45V | 32.23V | 29.66V | 32.44V | 29.87V | 32.65V | 30.07V | 32.85V | 30.28V |
| Current Maximum Power (Impp) | 12.96A | 10.56A | 13.03A | 10.62A | 13.10A | 10.68A | 13.17A | 10.74A | 13.24A | 10.80A |
| MODULE EFFICIENCY (%) | 21.25% | | 21.51% | | 21.76% | | 22.02% | | 22.28% | |

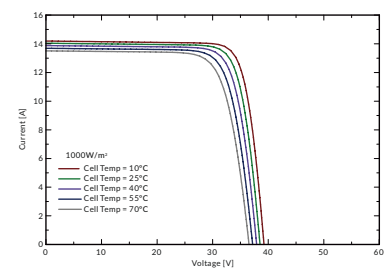
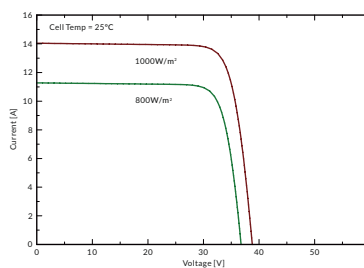
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

| | | |
|-----------------------|-------|-------|
| Container | 20'GP | 40'HQ |
| Pieces per pallet | 31 | 31 |
| Pallets per container | 6 | 26 |
| Pieces per container | 186 | 806 |

I-V CURVE

LNVB-425N/I-V



OPERATING CHARACTERISTICS

| | |
|------------------------------|----------------|
| Operating Module Temperature | -40°C to +85°C |
| Maximum System Voltage | 1500 DC (IEC) |
| Maximum Series Fuse Rating | 25A |
| Power Tolerance | 0/+5W |

TEMPERATURE CHARACTERISTICS

| | |
|--------------------------------------|-----------|
| Nominal Operating Temperature (NMOT) | 45±2°C |
| Temperature Coefficient of Pmax | -0.30%/°C |
| Temperature Coefficient of Voc | -0.25%/°C |
| Temperature Coefficient of Isc | +0.04%/°C |

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. CNB SOLAR have the sole right to make such modification at anytime without further notice.