

# Quality Maker

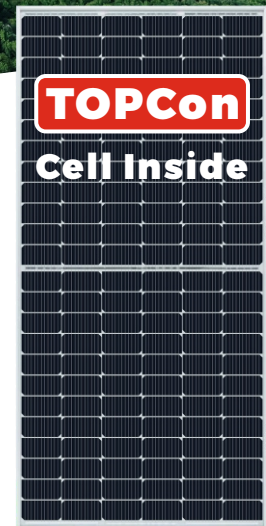
## CNBPOWER® SERIES **N5**



# 560-580W Mono

## 144 Half-Cell Layout

### M10/182mm N-TOPCon Cell



N-TOPCon Cell Technology



Half Cut Cell Technology



SMBB Technology



Excellent Anti-PID Low LID Performance

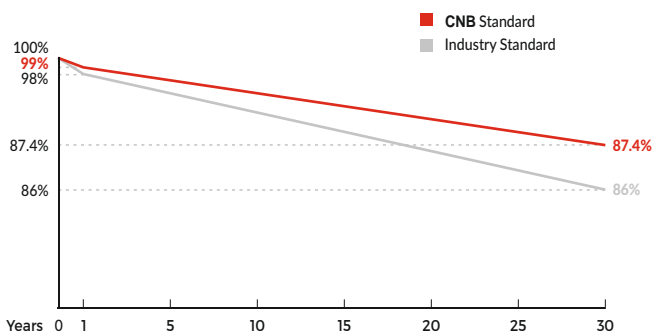


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

### Linear performance Warranty



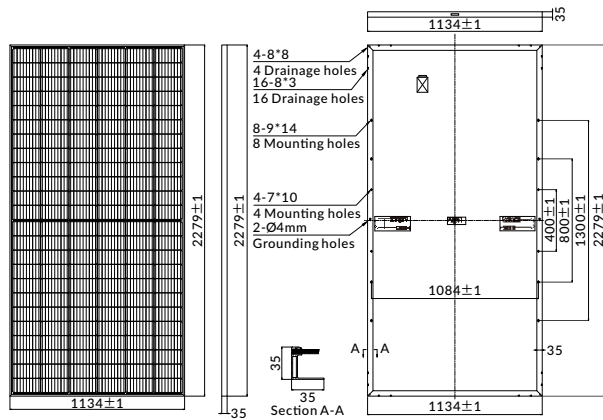
### Comprehensive Certificates

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



**MECHANICAL CHARACTERISTICS**

Solar Cells	N-type Mono
No. of Cells	144 (6x24)
Dimensions	2279 x 1134 x 35mm
Weight	27.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

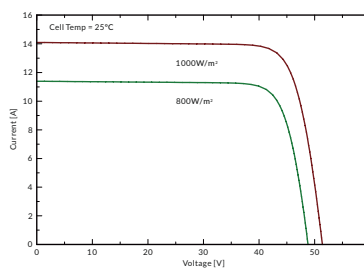
POWER CLASS	LNVU-560N		LNVU-565N		LNVU-570N		LNVU-575N		LNVU-580N	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	560W	421W	565W	425W	570W	429W	575W	433W	580W	437W
Open Circuit Voltage (Voc)	51.03V	48.41V	51.17V	48.60V	51.30V	48.78V	51.44V	48.96V	51.57V	49.14V
Short Circuit Current (Isc)	14.05A	11.33A	14.12A	11.39A	14.19A	11.45A	14.26A	11.51A	14.33A	11.57A
Voltage at Maximum power (Vmpp)	42.49V	39.31V	42.64V	39.46V	42.79V	39.61V	42.94V	39.76V	43.09V	39.91V
Current Maximum Power (Impp)	13.18A	10.71A	13.25A	10.77A	13.32A	10.83A	13.39A	10.89A	13.46A	10.95A
MODULE EFFICIENCY (%)	21.67%		21.86%		22.06%		22.25%		22.44%	

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G    NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

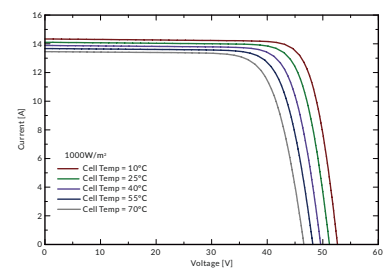
**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	20
Pieces per container	155	620

**I-V CURVE**



**LNVU-570N/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	+0.046%/°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.