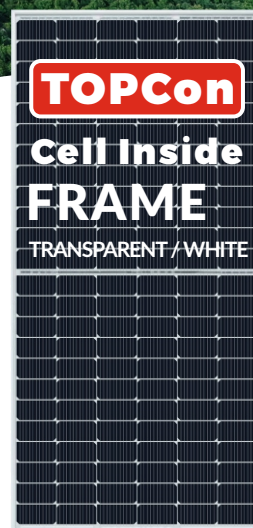


LUXPOWER® SERIES **N**5



555-575W Mono BIFACIAL DG
144 Half-Cell Layout
M10/182mm N-TOPCon Cell



N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

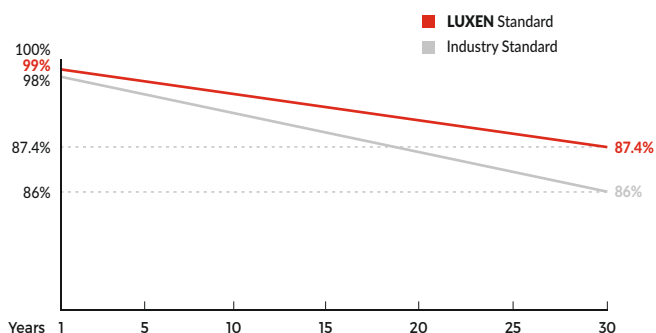


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

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



LUXEN SOLAR ENERGY CO., LTD.

Suzhou: A301,Zhongyi Building,Suzhou,Jiangsu,215168,China

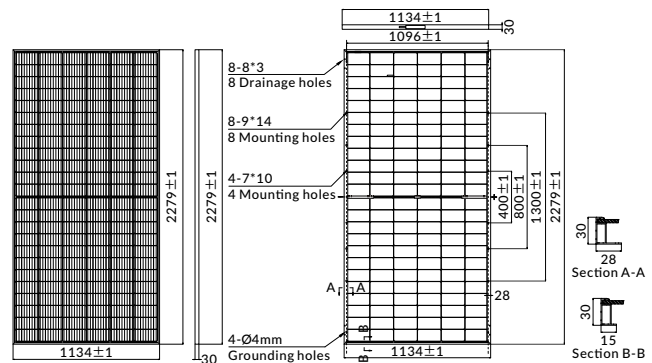
Nantong: No.1,Haiyue Road,Nantong,Jiangsu,226000,China

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	144 (6x24)
Dimensions	2279 x 1134 x 30mm
Weight	31.5kgs
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ²
	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVU-555ND	LNVU-560ND	LNVU-565ND	LNVU-570ND	LNVU-575ND
	STC	STC	STC	STC	STC
Maximum power (Pmax)	555W	560W	565W	570W	575W
Open Circuit Voltage (Voc)	51.00V	51.14V	51.28V	51.41V	51.55V
Short Circuit Current (Isc)	13.94A	14.01A	14.08A	14.15A	14.22A
Voltage at Maximum power (Vmpp)	41.95V	42.11V	42.26V	42.41V	42.56V
Current Maximum Power (Impp)	13.23A	13.30A	13.37A	13.44A	13.51A
MODULE EFFICIENCY (%)	21.48%	21.67%	21.86%	22.06%	22.25%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

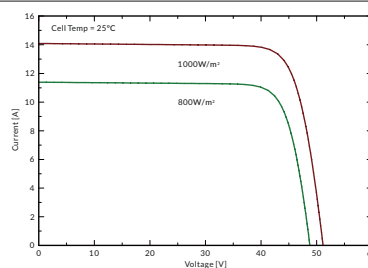
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum power (Pmax)	583W	588W	593W	599W	604W
	Module Efficiency STC (%)	22.55%	22.75%	22.96%	23.16%	23.36%
15%	Maximum power (Pmax)	638W	644W	650W	656W	661W
	Module Efficiency STC (%)	24.70%	24.92%	25.14%	25.36%	25.59%
25%	Maximum Power (Pmax)	694W	700W	706W	713W	719W
	Module Efficiency STC (%)	26.84%	27.09%	27.33%	27.57%	27.81%

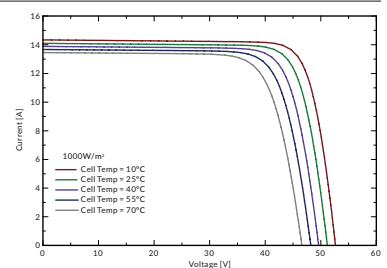
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	36	36
Pallets per container	5	20
Pieces per container	180	720

I-V CURVE



LNVU-570ND/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C

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