

LUXNERI® SERIES **N5**

605-625W Mono

156 Half-Cell Layout

FULL BLACK BIFACIAL DG

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



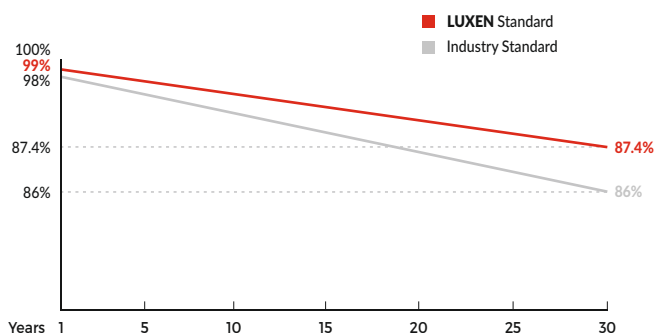
Higher Power Output Lower BOS & LCOE

TOPCon

Cell Inside FRAME

TRANSPARENT / WHITE

Linear performance Warranty



Comprehensive Certificates

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



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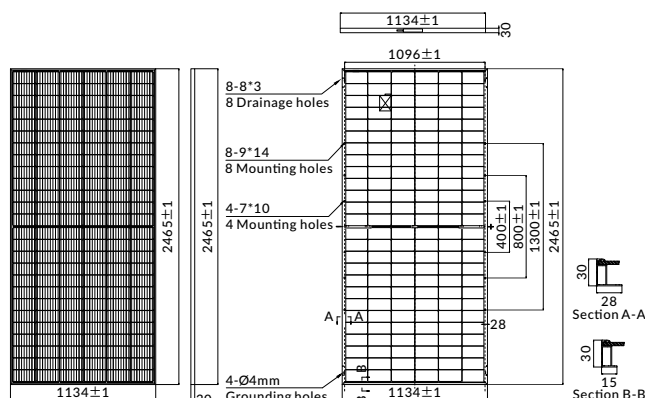
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MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	156 (6x26)
Dimensions	2465 x 1134 x 30mm
Weight	34.5kgs
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
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	LNVD-605ND	LNVD-610ND	LNVD-615ND	LNVD-620ND	LNVD-625ND
	STC	STC	STC	STC	STC
Maximum power (Pmax)	605W	610W	615W	620W	625W
Open Circuit Voltage (Voc)	55.30V	55.41V	55.53V	55.64V	55.75V
Short Circuit Current (Isc)	13.97A	14.04A	14.11A	14.18A	14.25A
Voltage at Maximum power (Vmpp)	45.63V	45.76V	45.90V	46.03V	46.16V
Current Maximum Power (Impp)	13.26A	13.33A	13.40A	13.47A	13.54A
MODULE EFFICIENCY (%)	21.64%	21.82%	22.00%	22.18%	22.36%

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

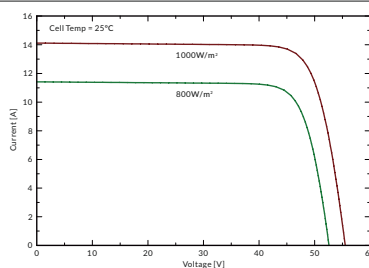
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum power (Pmax)	635W	641W	646W	651W	656W
	Module Efficiency STC (%)	22.73%	22.91%	23.10%	23.29%	23.48%
15%	Maximum power (Pmax)	696W	702W	707W	713W	719W
	Module Efficiency STC (%)	24.89%	25.10%	25.30%	25.51%	25.71%
25%	Maximum Power (Pmax)	756W	763W	769W	775W	781W
	Module Efficiency STC (%)	27.05%	27.28%	27.50%	27.73%	27.95%

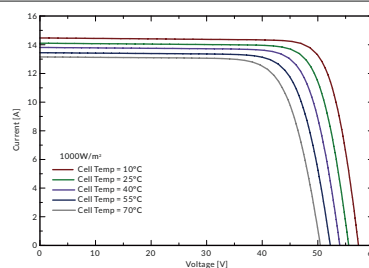
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	36	36
Pallets per container	4	16
Pieces per container	144	576

I-V CURVE



LNVD-620ND/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum 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.