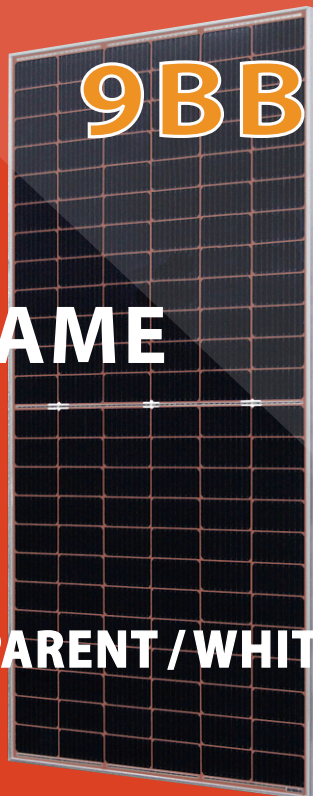


LUXEN

LUXCLEAR[®] MONO 420-440w

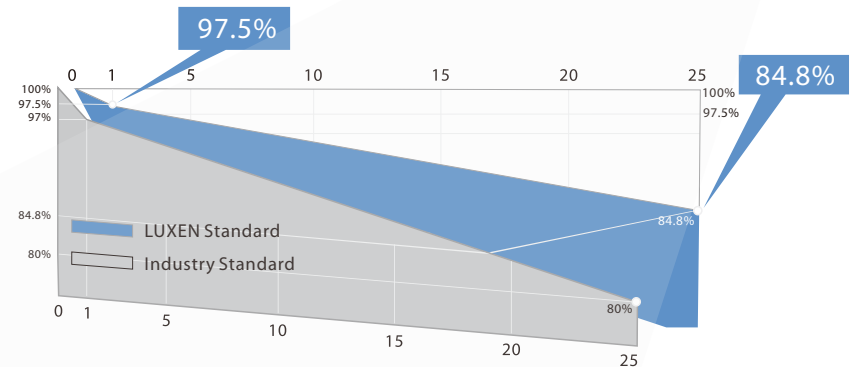
Double Glass Modules of LUXCLEAR[®] series with powerful performance and high transmittance are ideal for both installations with most strict demands of durability and projects of building.

144 cells Bifacial
Double Glass Modules



TRANSPARENT / WHITE

LINEAR PERFORMANCE WARRANTY



ISO9001:2015
management systems



IEC61215 & IEC61730
standard quality



Smaller electric current, less CTM loss
Lower risk of hot spot



Wind load up to 3800Pa
Snow load up to 5400Pa



0-5W positive power sorting



Stable performance under
weak light conditions



25-year power warranty
12-year product warranty



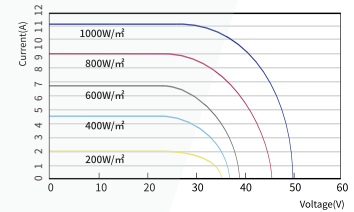
MONO 420-440w 144 cells Bifacial DG 9BB FRAME

LUXEN

ELECTRICAL PARAMETERS

	LNSU-420M		LNSU-425M		LNSU-430M		LNSU-435M		LNSU-440M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	420W	312W	425W	315W	430W	318W	435W	321W	440W	324W
Open Circuit Voltage (Voc)	48.80V	45.39V	49.00V	45.45V	49.20V	45.45V	49.39V	45.48V	49.59V	45.51V
Short Circuit Current (Isc)	11.04A	8.90A	11.11A	8.96A	11.18A	9.03A	11.25A	9.09A	11.32A	9.16A
Voltage at Maximum Power (Vmp)	40.19V	37.23V	40.40V	37.32V	40.60V	37.46V	40.81V	37.56V	41.01V	37.67V
Current at Maximum Power (Imp)	10.45A	8.38A	10.52A	8.44A	10.59A	8.49A	10.66A	8.55A	10.73A	8.60A
Module Efficiency(%)	18.73%		18.96%		19.18%		19.40%		19.63%	

LNSU-430M/I-V



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

NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

	420W	425W	430W	435W	440W
5% Maximum Power (Pmax)	441W	446W	452W	457W	462W
Module Efficiency STC (%)	19.67%	19.91%	20.14%	20.37%	20.61%
15% Maximum Power (Pmax)	483W	489W	495W	500W	506W
Module Efficiency STC (%)	21.55%	21.80%	22.06%	22.31%	22.57%
25% Maximum Power (Pmax)	525W	531W	538W	544W	550W
Module Efficiency STC (%)	23.42%	23.70%	23.98%	24.25%	24.53%

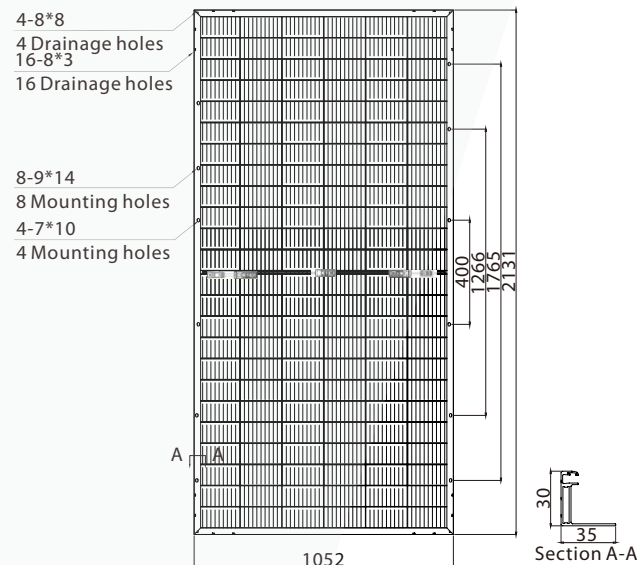
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0/+5W
Temperature Characteristics	
Nominal Operating Cell Temperature(Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

Packing Configuration

	20' GP	40' HQ
Container		
Pieces per pallet	30	30
Pallets per container	5	20
Pieces per container	150	600

Mechanical Characteristics

Solar Cell	MONO166x83mm
No.of Cell	144(6x24)
Dimensions	2131x1052x30mm
Weight	30.0kgs
Front/Back	2.0mm semi-tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated(3 by pass diodes)
Output Cables	4.0mm ² symmetrical length 300mm
Connectors	MC4 compatible
Mechanical load test	Front 5400Pa/Back 2400Pa



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.

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