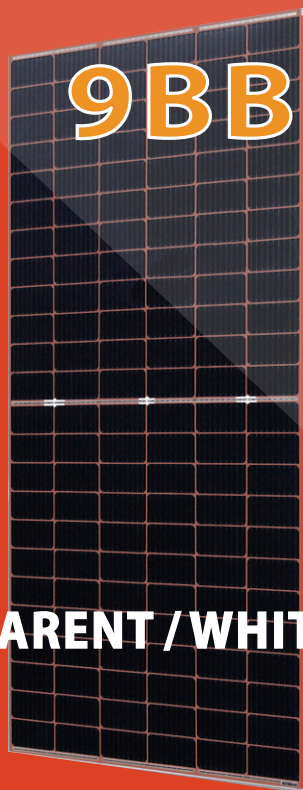


LUXEN

# LUXCLEAR<sup>®</sup> MONO 420-440w

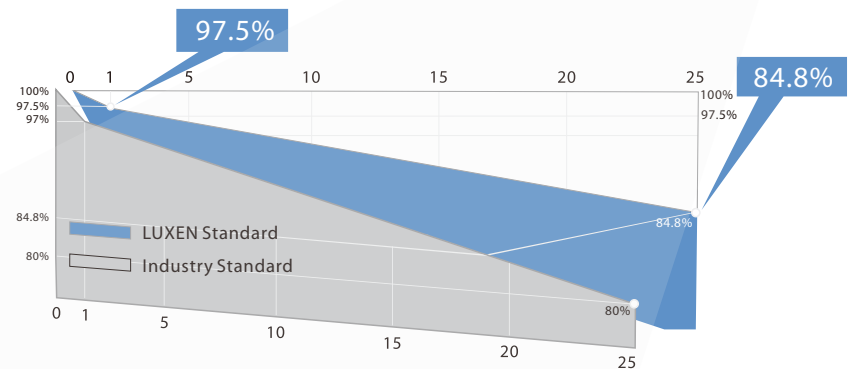
Double Glass Modules of LUXCLEAR<sup>®</sup> series with powerful performance and high transmittance are ideal for both installations with most strict demands of durability and projects of building.

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



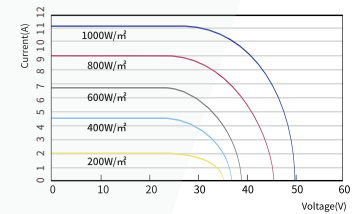
# MONO 420-440w 144 cells Bifacial DG 9BB

# 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(%)	18.90%		19.12%		19.35%		19.57%		19.80%	

LNSU-430M/I-V



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

## BIFACIAL OUTPUT-REAR SIDE POWER GAIN

	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)
<b>5%</b>	441W	19.84%	446W	20.08%	452W	20.31%
<b>15%</b>	483W	21.73%	489W	21.99%	495W	22.25%
<b>25%</b>	525W	23.62%	531W	23.90%	538W	24.18%

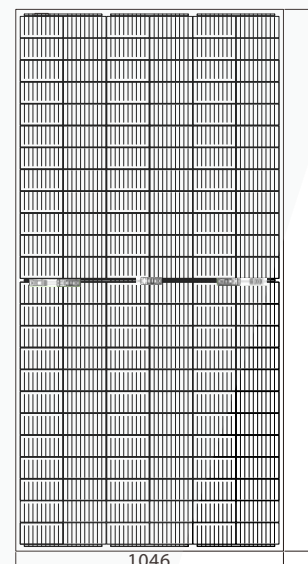
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0/+5W
<b>Temperature Characteristics</b>	
Nominal Operating Cell Temperature(Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C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

## Packing Configuration

	20'GP	40'HQ
Container		
Pieces per pallet	28	28
Pallets per container	5	20
Pieces per container	140	560

## Mechanical Characteristics

Solar Cell	MONO166x83mm
No.of Cell	144(6x24)
Dimensions	2125x1046x6mm
Weight	28.0kgs
Front	2.0mm semi-tempered glass
Back	2.0mm semi-tempered glass
Junction Box	Ip68 rated(3 by pass diodes)
Output Cables	4.0mm <sup>2</sup> 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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