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EnergyPal

Solar Panel Guide Specification Data Sheet

**Luxen Solar Energy Co., Ltd.
9BB LNSU-395-405M Full Black half cut
LNSU-400MB**

Also available on the web at
EnergyPal.com/luxen-solar-energy-co-ltd-solar-panels/lnsu-400mb

LUXEN

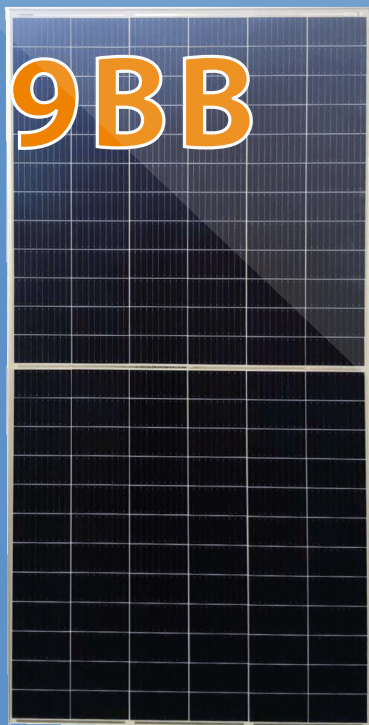
LUXHYPER[®]

MONO

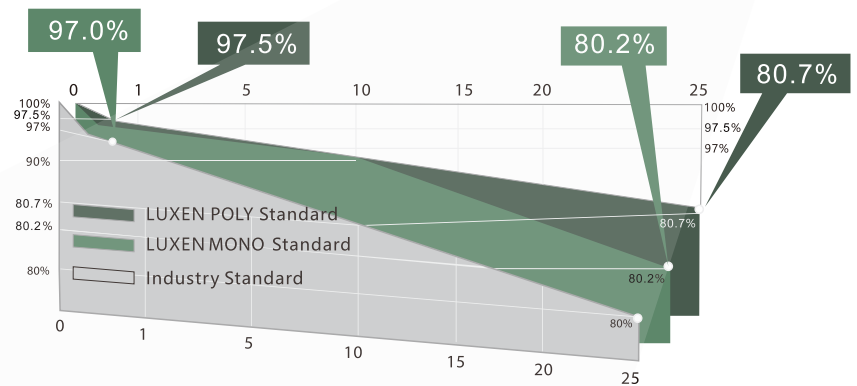
395-415w

LUXHYPER[®] series (Super-efficiency half-cell Modules) Assembled with the advanced half-cell technology offer the advantages of higher power output, reduced series resistance loss, and lower risk of hot spot. In order to meet the Clients' requirements of best quality and efficiency.

144 cells
Half-cut cell modules



LINEAR PERFORMANCE WARRANTY



- 
9BB 9BB cell design
Smaller electric current, less CTM loss
Lower risk of hot spot
- 
ISO9001:2015&ISO14001 management systems
- 
IEC IEC61215 & IEC61730 standard quality
- 
Wind load up to 3800Pa
Snow load up to 5400Pa
- 
+5W 0-5W positive power sorting
- 
Stable performance under weak light conditions
- 
10-year 25-year 25-year power warranty
10-year product warranty



MONO 395w-415w 144 cells 9BB

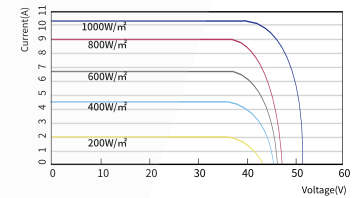
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ELECTRICAL PARAMETERS

	LNSU-395M		LNSU-400M		LNSU-405M		LNSU-410M		LNSU-415M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	395W	293W	400W	297W	405W	301W	410W	305W	415W	309W
Open Circuit Voltage (Voc)	49.47V	45.99V	49.85V	46.26V	50.34V	46.53V	50.77V	46.79V	51.25V	47.05V
Short Circuit Current (Isc)	10.29A	8.23A	10.33A	8.29A	10.35A	8.35A	10.38A	8.41A	10.40A	8.47A
Voltage at Maximum Power (Vmpp)	40.93V	37.71V	41.24V	37.93V	41.54V	38.15V	41.84V	38.36V	42.13V	38.58V
Current at Maximum Power (Impp)	9.65A	7.77A	9.70A	7.83A	9.75A	7.89A	9.80A	7.95A	9.85A	8.01A
Module Efficiency(%)	19.56%		19.81%		20.06%		20.31%		20.55%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G
NOCT: Irradiance 800W/m², ambient temperature 20°C,
 wind speed 1m/s, AM1.5G

LNSU-410M/I-V



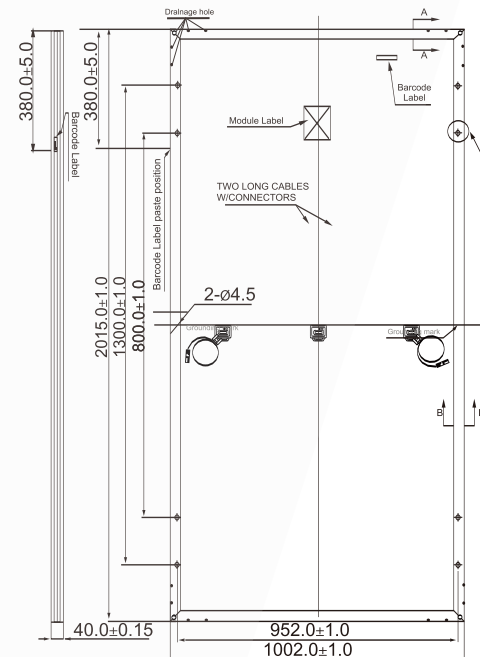
Operating Module Temperature	-40°C to +85°C
Maximun System Voltage	1500V DC(IEC)
Maximun Series Fuse Rating	20A
Power Tolerance	0/+5W
Temperature Charateristics	
Nominal Operating Cell Temperature(Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature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

Packing Configuration

Container	20' GP	40' HQ
Pieces per pallet	26	26
Pallets per container	10	22
Pieces per container	260	572

Mechanical Characteristics

Solar Cell	MONO
No.of Cells	144 (6x24)
Dimensions	2015x1002x40mm
Weight	24.5kgs
Front	Glass 3.2mm 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	5400Pa



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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.