LUXEN SOLAR

Quality Maker

LUXNERI® SERIES 4

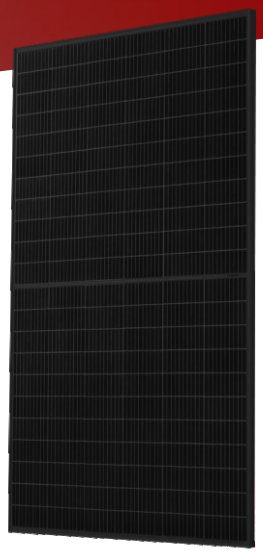
395-410W Mono ALL BLACK

M6/166mm Cell . 132 Half-Cell Layout

25 years POWER WARRANTY

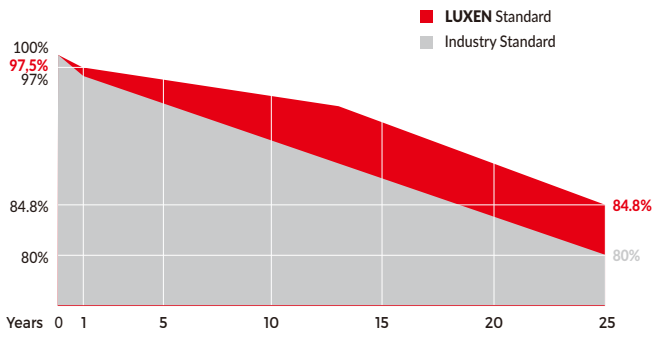
12 years PRODUCT WARRANTY

Assembled with the M6 wafer based high efficiency cells, **LUXNERI®** Series 4 ALL BLACK solar modules combine the impressive aesthetic appearance with the innovative twin-panel design and the advanced technologies of half-cut cell, 9 busbars and round wire ribbon interconnection. The perfect visual effect, together with the high power generation performance and the reduced hot spot and shading risks, make it ideal for residential rooftop application.



- Full Black Appearance for Aesthetic Effect
- Gallium-doped Technology
- Half Cut Cell Technology
- Anti-PID Low LID Performance
- Less Hot Spot Shading Effects
- Ideal for Residential Rooftop Application

Linear performance Warranty



Comprehensive Certificates

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

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LUXNERI® Mono I 395 - 410W ALL BLACK

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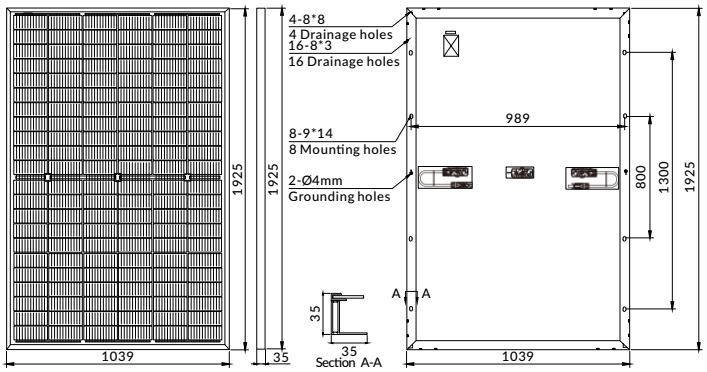
MECHANICAL CHARACTERISTICS

Solar Cells		Mono
No. of Cells		132 (6x22)
Dimensions		1925 x 1039 x 35mm
Weight		21.0kgs
Front Glass		3.2mm coated tempered glass
Frame		Anodized aluminium alloy
Junction Box		Ip68 rated (3 by pass diodes)
Output Cables		4.0mm²
		300mm (+) / 300mm (-)
		Length can be customized
Connectors		Mc4 compatible
Mechanical load test		5400Pa



ELECTRICAL PARAMETERS

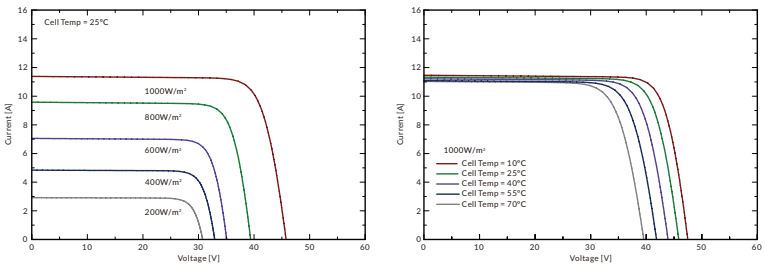
POWER CLASS	LNST-395M		LNST-400M		LNST-405M		LNST-410M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	395W	287W	400W	290W	405W	293W	410W	296W
Open Circuit Voltage (Voc)	45.56V	38.97V	45.79V	39.03V	46.01V	39.10V	46.23V	39.17V
Short Circuit Current (Isc)	11.19A	9.47A	11.26A	9.53A	11.32A	9.59A	11.39A	9.65A
Voltage at Maximum power (Vmpp)	36.93V	31.82V	37.17V	31.94V	37.41V	32.06V	37.64V	32.17V
Current Maximum Power (Impp)	10.70A	9.02A	10.76A	9.08A	10.83A	9.14A	10.89A	9.20A
MODULE EFFICIENCY (%)	19.75%		20.00%		20.25%		20.50%	

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

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	6	24
Pieces per container	186	744

I-V CURVE LNST-410M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to + 85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	20A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating 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

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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