LUXEN SOLAR

Quality Maker

LUXNERI® SERIES 5

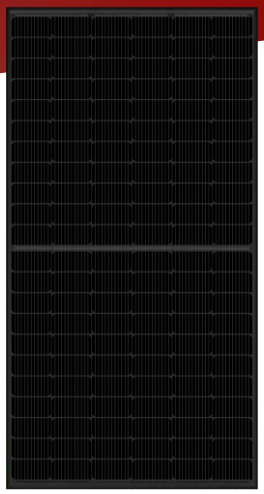
480-500W Mono ALL BLACK

M10/182mm Cell . 132 Half-Cell Layout

25 years POWER WARRANTY

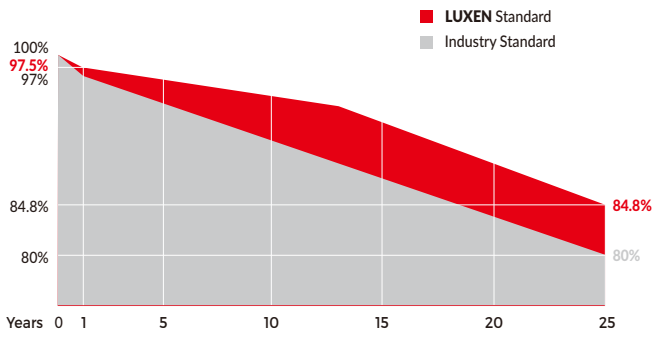
12 years PRODUCT WARRANTY

Assembled with the breakthrough M10 (182mm) high power cells, **LUXNERI®** Series 5 ALL BLACK solar modules combine the impressive aesthetic appearance with the innovative technologies of gallium-doped wafer, half-cut cell, multi busbarsand integrated segmented ribbon interconnection. The perfect visual effect, together with the high power generation performance and the reduced LID, 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 480 - 500W ALL BLACK

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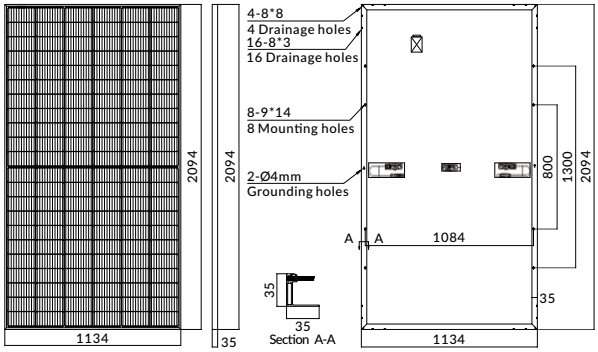
MECHANICAL CHARACTERISTICS

Solar Cells		Mono
No. of Cells		132 (6x22)
Dimensions		2094 x 1134 x 35mm
Weight		25.5kgs
Front Glass		3.2mm coated tempered glass
Frame		Anodized aluminium alloy
Junction Box		Ip68 rated (3 by pass diodes)
Output Cables		4.0mm²
		300mm (+) / 400mm (-)
		Length can be customized
Connectors		Mc4 compatible
Mechanical load test		5400Pa



ELECTRICAL PARAMETERS

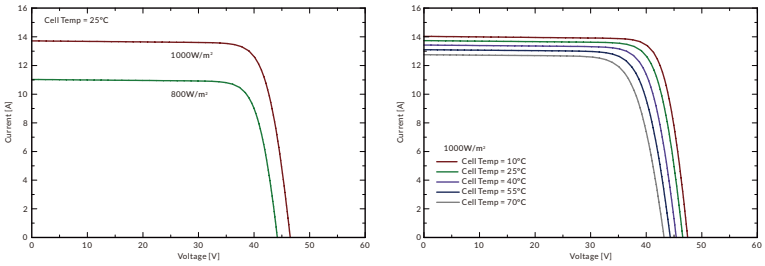
POWER CLASS	LNVT-480M		LNVT-485M		LNVT-490M		LNVT-495M		LNVT-500M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	480W	361W	485W	365W	490W	369W	495W	373W	500W	377W
Open Circuit Voltage (Voc)	46.01V	43.27V	46.18V	43.53V	46.34V	43.78V	46.51V	44.03V	46.67V	44.28V
Short Circuit Current (Isc)	13.53A	10.85A	13.60A	10.89A	13.67A	10.93A	13.74A	10.97A	13.81A	11.01A
Voltage at Maximum power (Vmpp)	37.97V	35.29V	38.16V	35.54V	38.34V	35.79V	38.52V	36.04V	38.70V	36.28V
Current Maximum Power (Impp)	12.64A	10.23A	12.71A	10.27A	12.78A	10.31A	12.85A	10.35A	12.92A	10.39A
MODULE EFFICIENCY (%)	20.21%		20.42%		20.64%		20.85%		21.06%	

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	5	22
Pieces per container	155	682

I-V CURVE LNVT-500M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	25A
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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