LUXEN SOLAR

Quality Maker

LUXPOWER® SERIES 5

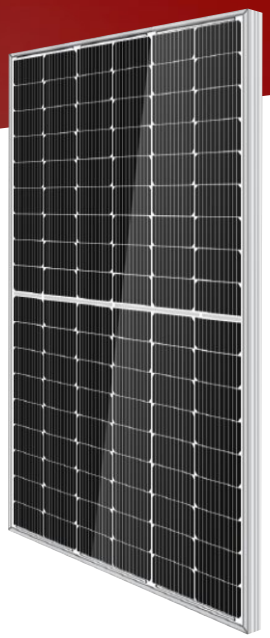
390-410W Mono

M10/182mm Cell . 108 Half-Cell Layout

25 years POWER WARRANTY

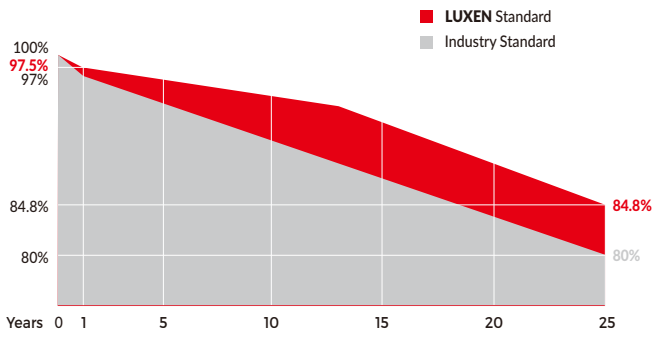
12 years PRODUCT WARRANTY

LUXPOWER® Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants.
The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



- Gallium-doped Technology
- Half Cut Cell Technology
- MBB Technology
- Anti-PID Low LID Performance
- Less Hot Spot Shading Effects
- Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

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

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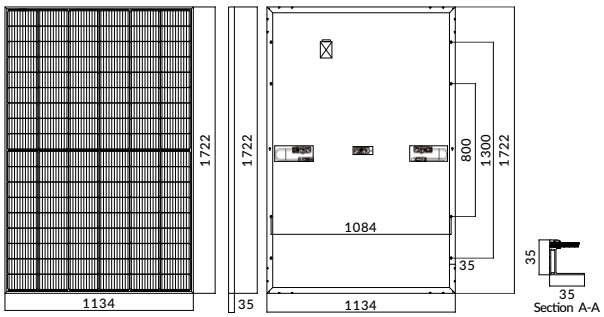
LUXPOWER® Mono I 390 - 410W

Quality Maker

MECHANICAL CHARACTERISTICS

Solar Cells		Mono
No. of Cells		108 (6x18)
Dimensions		1722 x 1134 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 (+) / 400mm (-)
		Length can be customized
Connectors		Mc4 compatible
Mechanical load test		5400Pa



ELECTRICAL PARAMETERS

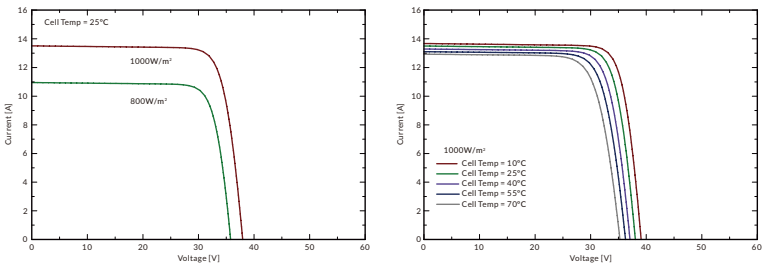
POWER CLASS	LNVB-390M		LNVB-395M		LNVB-400M		LNVB-405M		LNVB-410M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	390W	294W	395W	298W	400W	302W	405W	306W	410W	310W
Open Circuit Voltage (Voc)	36.99V	34.97V	37.24V	35.25V	37.49V	35.54V	37.74V	35.82V	37.98V	36.10V
Short Circuit Current (Isc)	13.49A	10.81A	13.56A	10.85A	13.63A	10.89A	13.70A	10.93A	13.77A	10.97A
Voltage at Maximum power (Vmpp)	30.95V	28.85V	31.18V	29.13V	31.40V	29.41V	31.62V	29.68V	31.83V	29.95V
Current Maximum Power (Impp)	12.60A	10.19A	12.67A	10.23A	12.74A	10.27A	12.81A	10.31A	12.88A	10.35A
MODULE EFFICIENCY (%)	19.97%		20.23%		20.48%		20.74%		21.00%	

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	26
Pieces per container	186	806

I-V CURVE LNVB-405M/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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