

LUXPOWER® SERIES 4 395-415W Mono

M6/166mm Cell . 132 Half-Cell Layout

Assembled with the M6 wafer based high efficiency cells, LUXPOWER® Series 4 solar modules feature the innovative twin-panel design and the advanced technologies of half-cut cell, 9 busbars and round wire ribbon interconnection, reducing the hot spot risk and shading effect, increasing the power output and resulting in higher reliability and performance than conventional modules.



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance



Less Hot Spot
Shading Effects

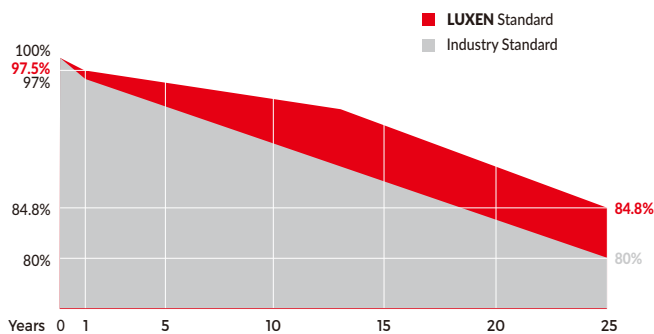


Low Power
Temperature Coefficient



Lower BOS & LCOE

Linear performance Warranty



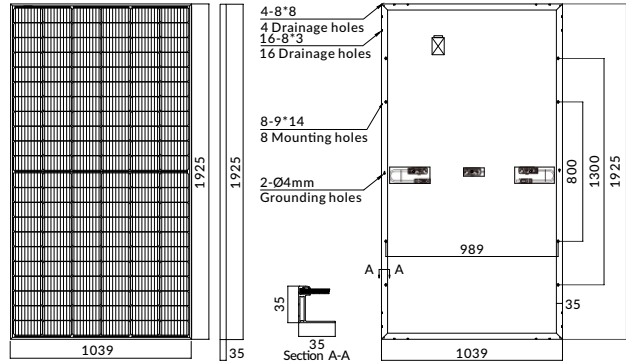
Comprehensive Certificates

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



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)
	4.0mm ²
Output Cables	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		LNST-415M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	395W	287W	400W	290W	405W	293W	410W	296W	415W	299W
Open Circuit Voltage (Voc)	45.56V	38.97V	45.79V	39.03V	46.01V	39.10V	46.23V	39.17V	46.45V	39.24V
Short Circuit Current (Isc)	11.19A	9.47A	11.26A	9.53A	11.32A	9.59A	11.39A	9.65A	11.45A	9.71A
Voltage at Maximum power (Vmpp)	36.93V	31.82V	37.17V	31.94V	37.41V	32.06V	37.64V	32.17V	37.88V	32.29V
Current Maximum Power (Impp)	10.70A	9.02A	10.76A	9.08A	10.83A	9.14A	10.89A	9.20A	10.96A	9.26A
MODULE EFFICIENCY (%)	19.75%		20.00%		20.25%		20.50%		20.75%	

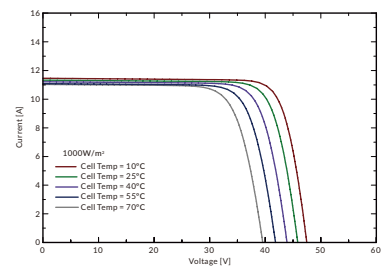
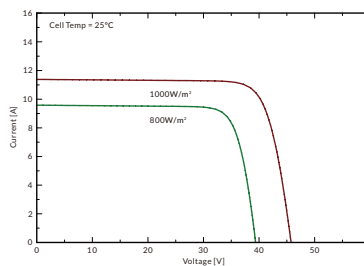
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

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
Maximum System Voltage	1500 DC (IEC)
Maximum 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.