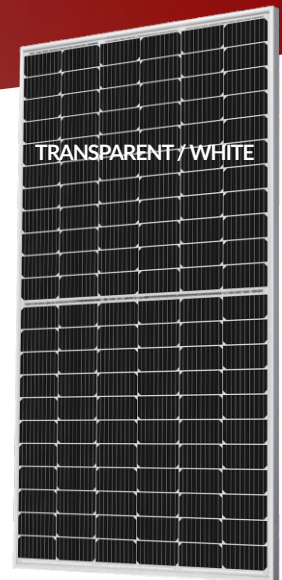


# LUXPOWER® SERIES 4

## 390-410W Mono BIFACIAL DG

132 Half-Cell Layout  
M6/166mm Cell



Bifacial Cell  
Module Technologies



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID  
Low LID  
Performance

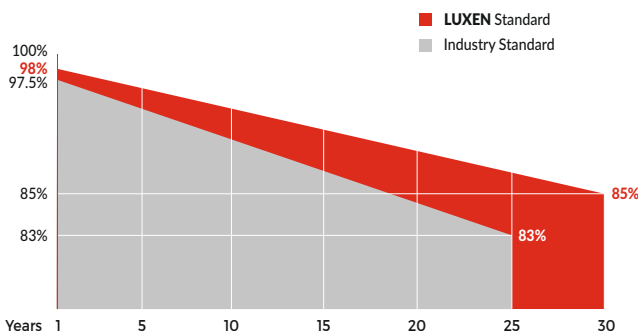


Less Hot Spot  
Shading Effects



Enduring High  
Reliability & Performance

### Linear performance Warranty



\* LUXEN PERC: Standard warranty 12 years, can be extended up to 15 years.

### Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



LUXEN SOLAR ENERGY CO., LTD.

Operational HQ: Vienna Technology Center, Christine-Touaillon-Strasse 11/2.01, 1220 Vienna, Austria

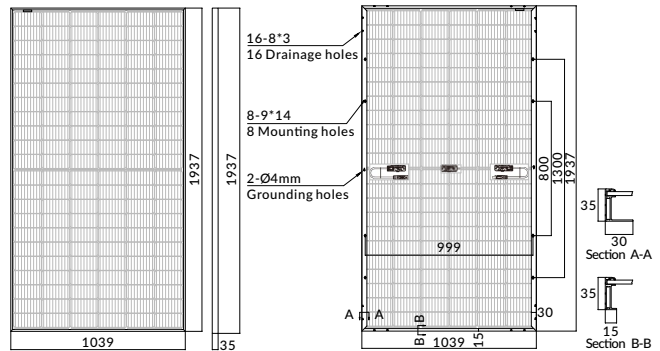
Production HQ: No.1, Haiyue Road, Nantong, Jiangsu, 226000, China

europa@luxensolar.at

www.luxensolar.com

**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	1937 x 1039 x 30mm
Weight	24.0kg
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm <sup>2</sup> 300mm (+) / 300mm (-) Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNST-390MD	LNST-395MD	LNST-400MD	LNST-405MD	LNST-410MD
	STC	STC	STC	STC	STC
Maximum power (Pmax)	390W	395W	400W	405W	410W
Open Circuit Voltage (Voc)	45.33V	45.56V	45.79V	46.01V	46.23V
Short Circuit Current (Isc)	11.13A	11.19A	11.26A	11.32A	11.39A
Voltage at Maximum power (Vmpp)	36.69V	36.93V	37.17V	37.41V	37.64V
Current Maximum Power (Impp)	10.63A	10.70A	10.76A	10.83A	10.89A
MODULE EFFICIENCY (%)	17.81%	18.04%	18.27%	18.50%	18.73%

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

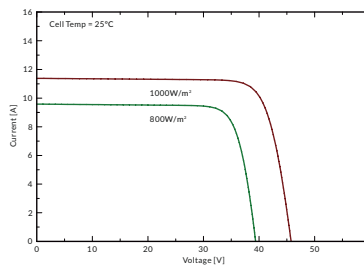
**BIFACIAL OUTPUT-REAR SIDE POWER GAIN**

		LNST-390MD	LNST-395MD	LNST-400MD	LNST-405MD	LNST-410MD
5%	Maximum power (Pmax)	410W	415W	420W	425W	431W
	Module Efficiency STC (%)	20.35%	20.61%	20.87%	21.13%	21.39%
15%	Maximum power (Pmax)	449W	454W	460W	466W	472W
	Module Efficiency STC (%)	22.29%	22.57%	22.86%	23.14%	23.43%
25%	Maximum Power (Pmax)	488W	494W	500W	506W	513W
	Module Efficiency STC (%)	24.22%	24.53%	24.84%	25.15%	25.47%

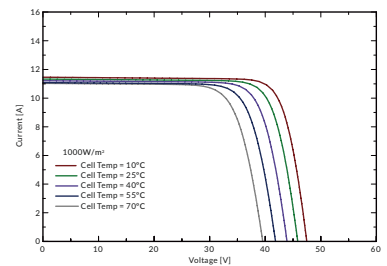
**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	36	36
Pallets per container	6	24
Pieces per container	216	864

**I-V CURVE**



**LNST-410MD/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 (NMOT)	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:** The specifications, data and technical characteristics provided in this data sheet are subject to changes due to continuous R&D, product innovation and improvement. LUXEN SOLAR reserves the right to modify the information any time without prior notice.