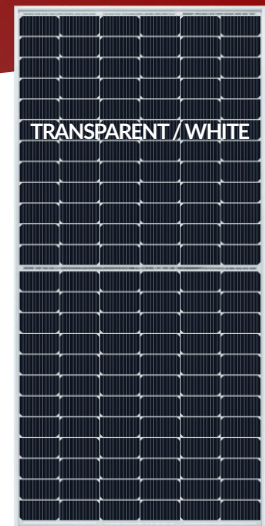


LUXPOWER® SERIES 5

530-550W Mono BIFACIAL DG

144 Half-Cell Layout
M10/182mm Cell



Bifacial Cell
Module Technologies



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID
Low LID
Performance

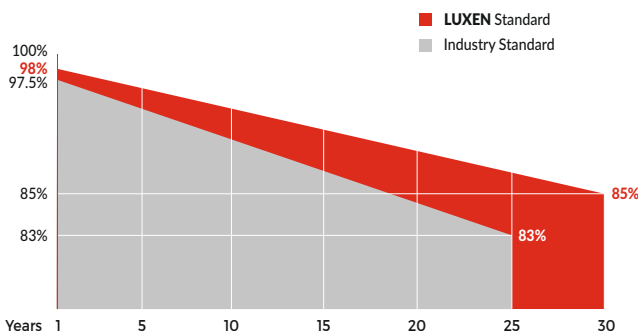


Less Hot Spot
Shading Effects



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



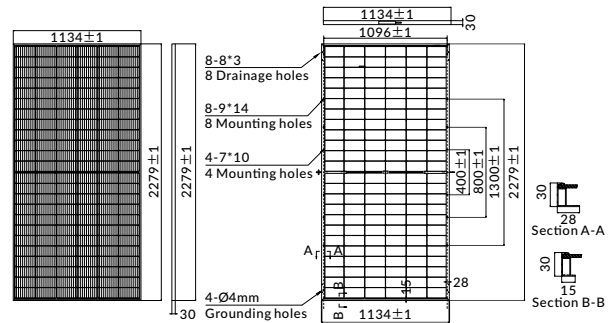
LUXEN SOLAR ENERGY CO., LTD.

Operational HQ: Vienna Technology Center, Christine-Touaillon-Strasse 11/2.01, 1220 Vienna, Austria
Production HQ: No.1, Haiyue Road, Nantong, Jiangsu, 226000, China
europe@luxensolar.at

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MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2279 x 1134 x 30mm
Weight	31.5kg
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 ² 300mm (+) / 300mm (-) Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVU-530MD	LNVU-535MD	LNVU-540MD	LNVU-545MD	LNVU-550MD
	STC	STC	STC	STC	STC
Maximum power (Pmax)	530W	535W	540W	545W	550W
Open Circuit Voltage (Voc)	49.74V	49.89V	50.04V	50.18V	50.32V
Short Circuit Current (Isc)	13.62A	13.69A	13.76A	13.83A	13.90A
Voltage at Maximum power (Vmpp)	41.63V	41.80V	41.96V	42.12V	42.28V
Current Maximum Power (Impp)	12.73A	12.80A	12.87A	12.94A	13.01A
MODULE EFFICIENCY (%)	20.51%	20.70%	20.89%	21.09%	21.28%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

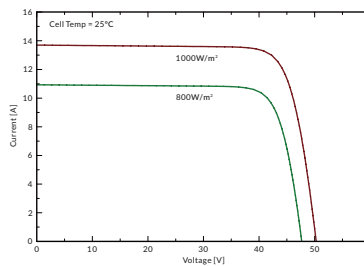
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNVU-530MD	LNVU-535MD	LNVU-540MD	LNVU-545MD	LNVU-550MD
		5%	Maximum power (Pmax)	557W	562W	567W
	Module Efficiency STC (%)	21.53%	21.74%	21.94%	22.14%	22.35%
15%	Maximum power (Pmax)	610W	615W	621W	627W	633W
	Module Efficiency STC (%)	23.58%	23.81%	24.03%	24.25%	24.47%
25%	Maximum Power (Pmax)	663W	669W	675W	681W	688W
	Module Efficiency STC (%)	25.63%	25.88%	26.12%	26.36%	26.60%

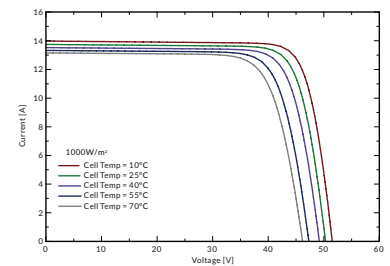
PACKING CONFIGURATION

	20'GP	40'HQ
Container		
Pieces per pallet	36	36
Pallets per container	5	20
Pieces per container	180	720

I-V CURVE



LNVU-540MD/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.32%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.046%/°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.