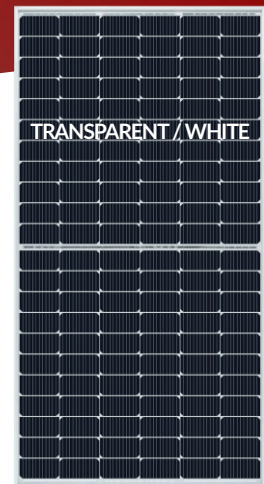


LUXPOWER® SERIES 5

485-505W Mono BIFACIAL DG

132 Half-Cell Layout
M10/182mm Cell



Bifacial Cell
Module Technologies



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID
Low LID
Performance

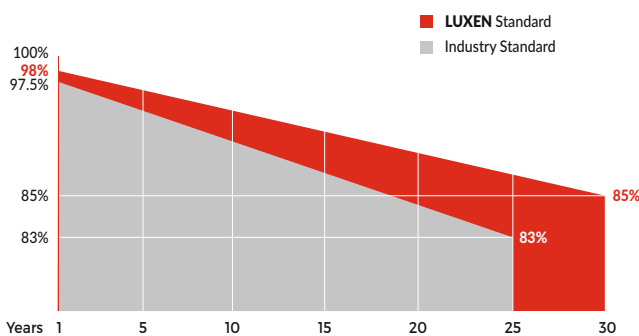


Less Hot Spot
Shading Effects



Enduring High
Reliability & Performance

Linear Performance Warranty



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

Insured By



Comprehensive Certificates

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



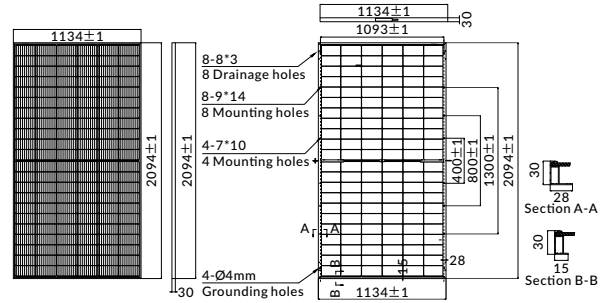
LUXEN SOLAR ENERGY CO., LTD.

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

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 30mm
Weight	28.5kg
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	LNVT-485MD		LNVT-490MD		LNVT-495MD		LNVT-500MD		LNVT-505MD	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	485W	357W	490W	361W	495W	365W	500W	369W	505W	373W
Open Circuit Voltage (Voc)	48.34V	40.63V	48.51V	40.93V	48.67V	41.22V	48.83V	41.52V	48.98V	41.81V
Short Circuit Current (Isc)	12.99A	11.20A	13.06A	11.24A	13.13A	11.28A	13.20A	11.32A	13.27A	11.36A
Voltage at Maximum power (Vmpp)	40.08V	33.87V	40.26V	34.12V	40.44V	34.37V	40.62V	34.62V	40.79V	34.86V
Current Maximum Power (Impp)	12.10A	10.54A	12.17A	10.58A	12.24A	10.62A	12.31A	10.66A	12.38A	10.70A
MODULE EFFICIENCY (%)	20.42%		20.64%		20.85%		21.06%		21.27%	

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

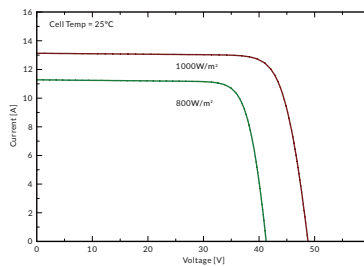
BIFACIAL OUTPUT-REARSIDE POWER GAIN

Gain	Parameter	LNVT-485MD	LNVT-490MD	LNVT-495MD	LNVT-500MD	LNVT-505MD
5%	Maximum power (Pmax)	509W	515W	520W	525W	530W
	Module Efficiency STC (%)	21.45%	21.67%	21.89%	22.11%	22.33%
15%	Maximum power (Pmax)	558W	564W	569W	575W	581W
	Module Efficiency STC (%)	23.49%	23.73%	23.97%	24.21%	24.46%
25%	Maximum Power (Pmax)	606W	613W	619W	625W	631W
	Module Efficiency STC (%)	25.53%	25.79%	26.06%	26.32%	26.58%

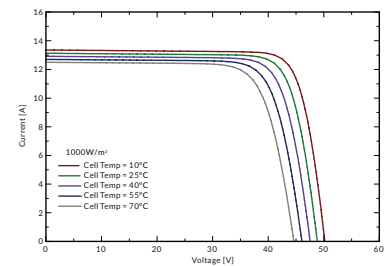
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	36	36
Pallets per container	5	22
Pieces per container	180	792

I-V CURVE



LNVT-495MD/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.