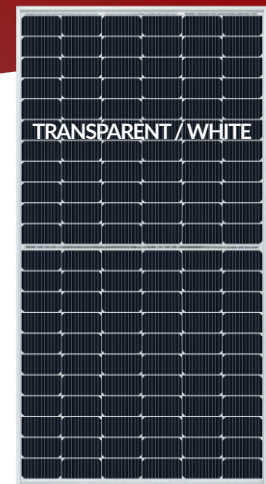


LUXPOWER® SERIES 5

485-505W Mono BIFACIAL DG

132 Half-Cell Layout
M10/182mm Cell



Bifacial Cell
Module Technologies

Ga

Gallium-doped Technology



Half Cut Cell Technology



Anti-PID
Low LID
Performance

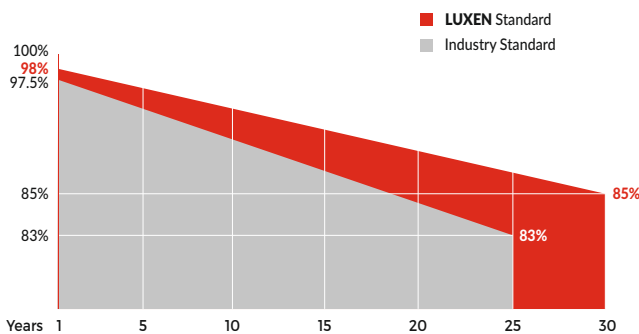


Less Hot Spot
Shading Effects



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



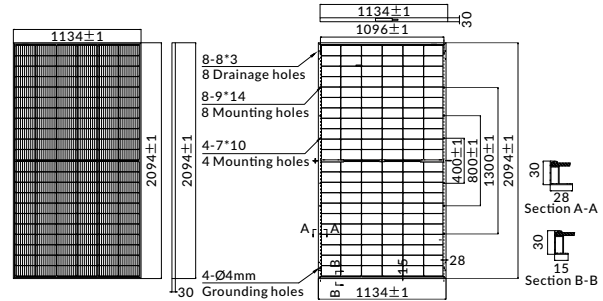
LUXEN SOLAR ENERGY CO., LTD.

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	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)
	4.0mm ²
Output Cables	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	STC	STC	STC	STC
Maximum power (Pmax)	485W	490W	495W	500W	505W
Open Circuit Voltage (Voc)	48.34V	48.51V	48.67V	48.83V	48.98V
Short Circuit Current (Isc)	12.99A	13.06A	13.13A	13.20A	13.27A
Voltage at Maximum power (Vmpp)	40.08V	40.26V	40.44V	40.62V	40.79V
Current Maximum Power (Impp)	12.10A	12.17A	12.24A	12.31A	12.38A
MODULE EFFICIENCY (%)	20.42%	20.64%	20.85%	21.06%	21.27%

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

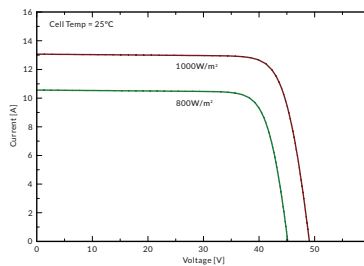
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		509W	515W	520W	525W	530W
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%

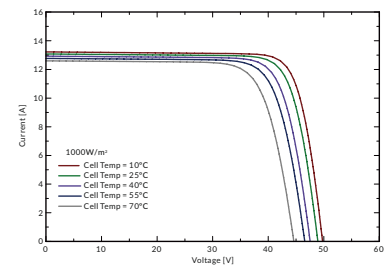
PACKING CONFIGURATION

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

I-V CURVE



LNV-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.