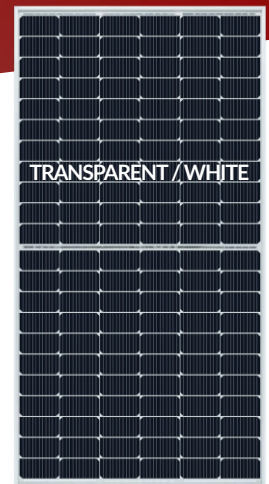


LUXPOWER® SERIES 5

485-505W Mono Transparent Backsheet

132 Half-Cell Layout

M10/182mm Cell



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance

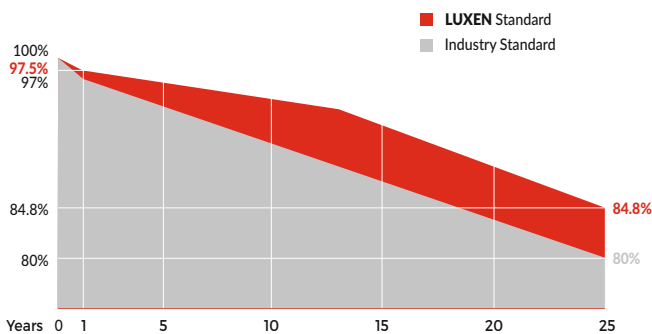


Less Hot Spot
Shading Effects



Lower BOS & LCOE

Linear performance Warranty



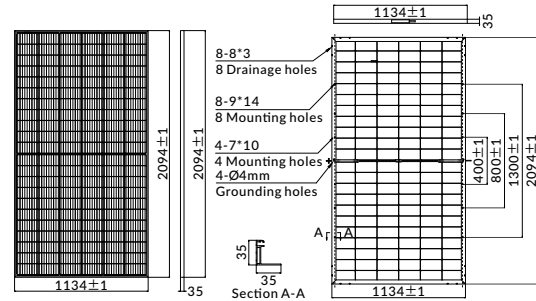
Comprehensive Certificates

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



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 35mm
Weight	25.5kgs
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	LNVТ-485MB	LNVТ-490MB	LNVТ-495MB	LNVТ-500MB	LNVТ-505MB
	STC	STC	STC	STC	STC
Maximum power (Pmax)	485W	490W	495W	500W	505W
Open Circuit Voltage (Voc)	46.18V	46.34V	46.51V	46.67V	46.83V
Short Circuit Current (Isc)	13.60A	13.67A	13.74A	13.81A	13.88A
Voltage at Maximum power (Vmpp)	38.16V	38.34V	38.52V	38.70V	38.88V
Current Maximum Power (Impp)	12.71A	12.78A	12.85A	12.92A	12.99A
MODULE EFFICIENCY (%)	20.42%	20.64%	20.85%	21.06%	21.27%

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

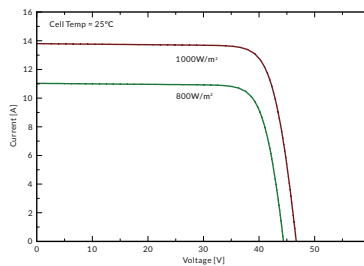
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		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%

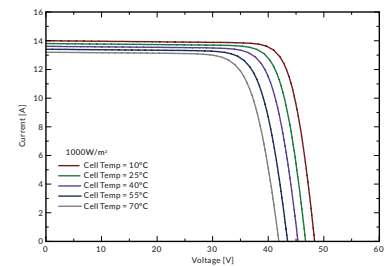
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	22
Pieces per container	155	682

I-V CURVE



LNVТ-500MB/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	-0.36%/°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.