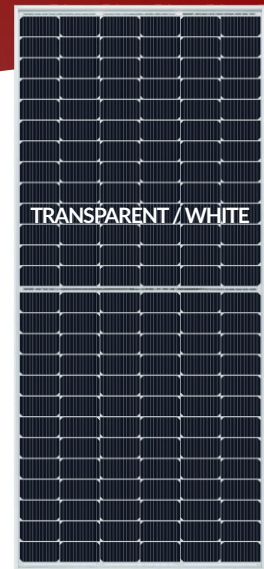


LUXPOWER® SERIES 5

575-595W Mono Transparent Backsheet

156 Half-Cell Layout

M10/182mm Cell



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance

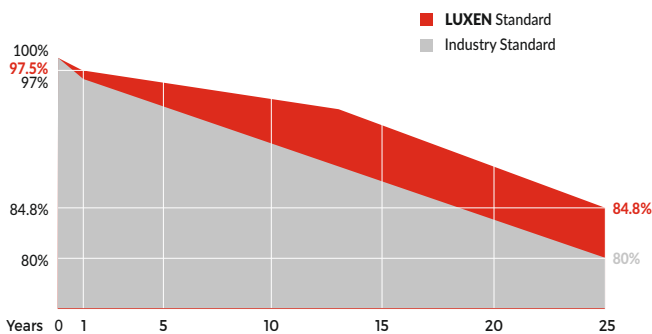


Less Hot Spot
Shading Effects



Lower BOS & LCOE

Linear performance Warranty



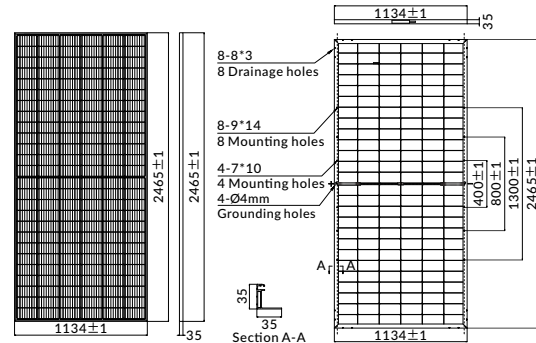
Comprehensive Certificates

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



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	156 (6x26)
Dimensions	2465 x 1134 x 35mm
Weight	30.0kgs
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	LNVH-575MB	LNVH-580MB	LNVH-585MB	LNVH-590MB	LNVH-595MB
	STC	STC	STC	STC	STC
Maximum power (Pmax)	575W	580W	585W	590W	595W
Open Circuit Voltage (Voc)	53.50V	53.62V	53.75V	53.88V	54.00V
Short Circuit Current (Isc)	13.59A	13.66A	13.73A	13.80A	13.87A
Voltage at Maximum power (Vmpp)	45.31V	45.45V	45.60V	45.74V	45.88V
Current Maximum Power (Impp)	12.69A	12.76A	12.83A	12.90A	12.97A
MODULE EFFICIENCY (%)	20.57%	20.75%	20.93%	21.11%	21.29%

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

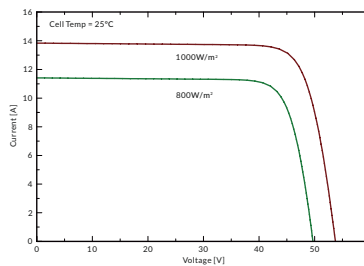
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		604W	609W	614W	620W	625W
5%	Maximum power (Pmax)	604W	609W	614W	620W	625W
	Module Efficiency STC (%)	21.60%	21.79%	21.97%	22.16%	22.35%
15%	Maximum power (Pmax)	661W	667W	673W	679W	684W
	Module Efficiency STC (%)	23.66%	23.86%	24.07%	24.27%	24.48%
25%	Maximum Power (Pmax)	719W	725W	731W	738W	744W
	Module Efficiency STC (%)	25.71%	25.94%	26.16%	26.38%	26.61%

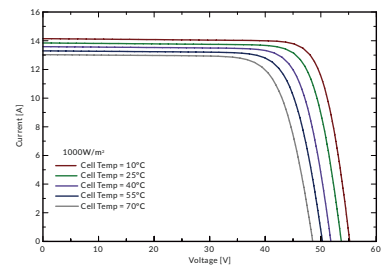
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	4	16
Pieces per container	124	496

I-V CURVE



LNVH-590MB/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.