

LUXPOWER® SERIES 6



645-665W Mono Transparent Backsheet 132 Half-Cell Layout M12/210mm Cell



Ideal Choice For Large Scale Ground Installation



High Density Interconnect Technology



Gallium-doped Technology



Anti-PID Low LID Performance

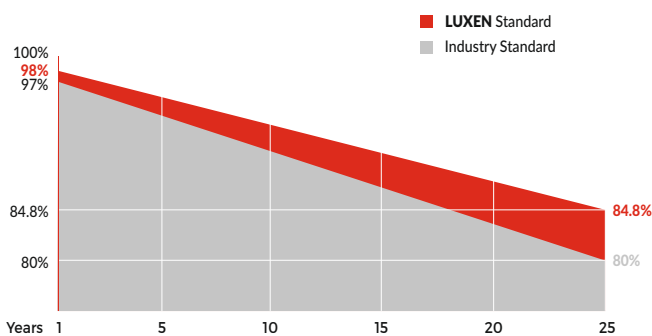


Less Hot Spot Shading Effects



Lower BOS & LCOE

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



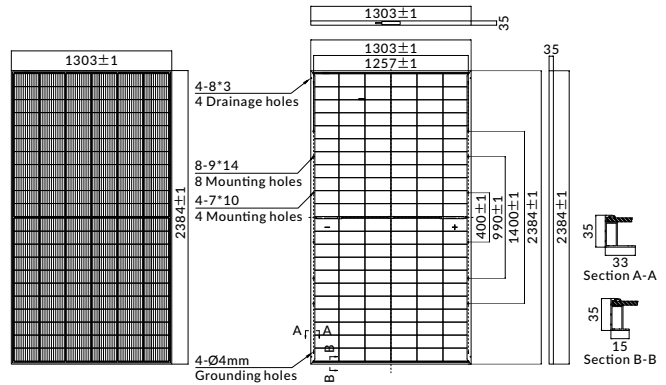
LUXEN SOLAR ENERGY CO., LTD.

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

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2384 x 1303 x 35mm
Weight	34.0kg
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
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	LNET-645MB	LNET-650MB	LNET-655MB	LNET-660MB	LNET-665MB
	STC	STC	STC	STC	STC
Maximum power (Pmax)	645W	650W	655W	660W	665W
Open Circuit Voltage (Voc)	45.23V	45.40V	45.58V	45.75V	45.93V
Short Circuit Current (Isc)	18.33A	18.38A	18.43A	18.48A	18.53A
Voltage at Maximum power (Vmpp)	37.41V	37.62V	37.82V	38.02V	38.22V
Current Maximum Power (Impp)	17.24A	17.28A	17.32A	17.36A	17.40A
MODULE EFFICIENCY (%)	20.76%	20.92%	21.09%	21.25%	21.41%

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

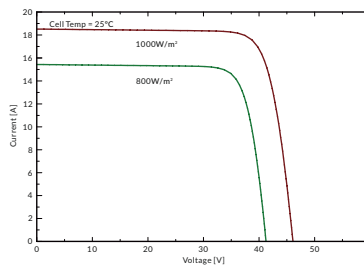
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNET-645MB	LNET-650MB	LNET-655MB	LNET-660MB	LNET-665MB
5%	Maximum power (Pmax)	677W	683W	688W	693W	698W
	Module Efficiency STC (%)	21.80%	21.97%	22.14%	22.31%	22.48%
15%	Maximum power (Pmax)	742W	748W	753W	759W	765W
	Module Efficiency STC (%)	23.88%	24.06%	24.25%	24.43%	24.62%
25%	Maximum Power (Pmax)	806W	813W	819W	825W	831W
	Module Efficiency STC (%)	25.95%	26.16%	26.36%	26.56%	26.76%

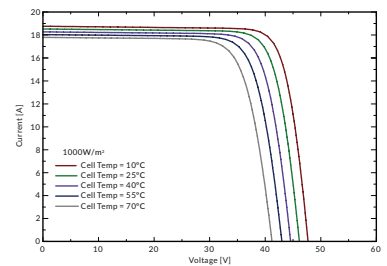
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	32
Pallets per container	18
Pieces per container	576

I-V CURVE



LNET-665MB/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	35A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	43±2°C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.04%/°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.