

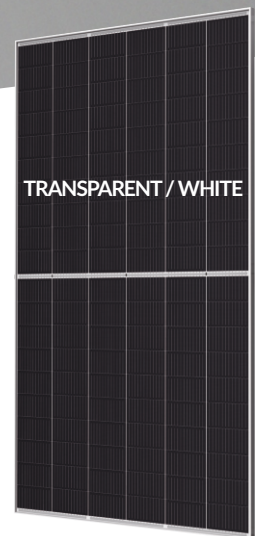
LUXPOWER® SERIES 6



585-605W Mono Transparent Backsheet

120 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

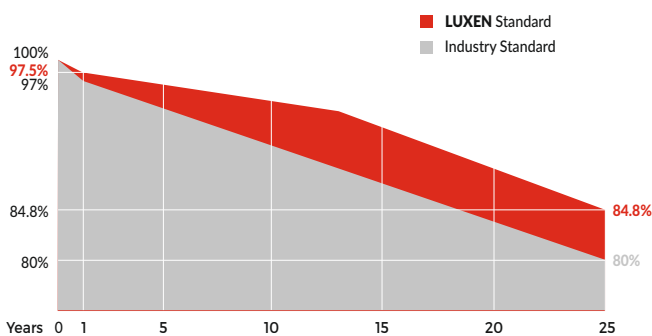


Less Hot Spot Shading Effects



Lower BOS & LCOE

Linear performance Warranty



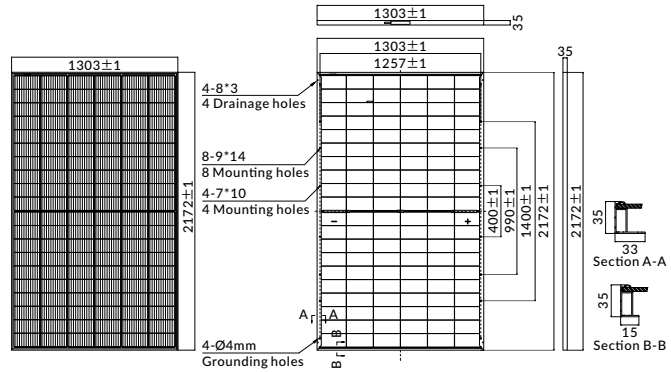
Comprehensive Certificates

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



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	120 (6x20)
Dimensions	2172 x 1303 x 35mm
Weight	31.0kgs
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	LNEK-585MB	LNEK-590MB	LNEK-595MB	LNEK-600MB	LNEK-605MB
	STC	STC	STC	STC	STC
Maximum power (Pmax)	585W	590W	595W	600W	605W
Open Circuit Voltage (Voc)	41.22V	41.41V	41.60V	41.78V	41.97V
Short Circuit Current (Isc)	18.29A	18.34A	18.39A	18.44A	18.49A
Voltage at Maximum power (Vmpp)	33.93V	34.14V	34.35V	34.56V	34.77V
Current Maximum Power (Impp)	17.24A	17.28A	17.32A	17.36A	17.40A
MODULE EFFICIENCY (%)	20.67%	20.85%	21.02%	21.20%	21.38%

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

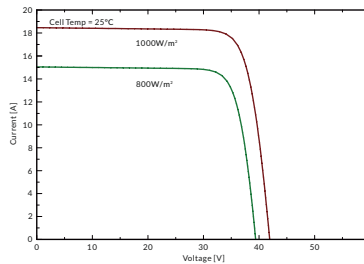
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNEK-585MB	LNEK-590MB	LNEK-595MB	LNEK-600MB	LNEK-605MB
5%	Maximum power (Pmax)	614W	620W	625W	630W	635W
	Module Efficiency STC (%)	21.70%	21.89%	22.08%	22.26%	22.45%
15%	Maximum power (Pmax)	673W	679W	684W	690W	696W
	Module Efficiency STC (%)	23.77%	23.97%	24.18%	24.38%	24.58%
25%	Maximum Power (Pmax)	731W	738W	744W	750W	756W
	Module Efficiency STC (%)	25.84%	26.06%	26.28%	26.50%	26.72%

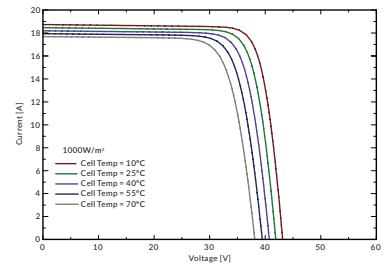
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	31
Pallets per container	18
Pieces per container	558

I-V CURVE



LNEK-605MB/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: 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.