LUXPOWER® SERIES 6

670W Mono

M12/210mm Cell . 132 Half-Cell Layout

Quality Maker

25 years
POWER WARRANTY

12 years
PRODUCT WARRANTY

LUXPOWER® Series 6 solar modules stand out with the
breakthrough innova on of M12 size (210mm) solar cells for the highest power genera on and the lowest LCOE, which makes
Series 6 the op mal choice for large solar power plants.
The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented
ribbon technology increases the power output and enhances
the module reliability for long-term use.

- Ideal Choice For Large Scale Ground Installation
- High Density Interconnect Technology
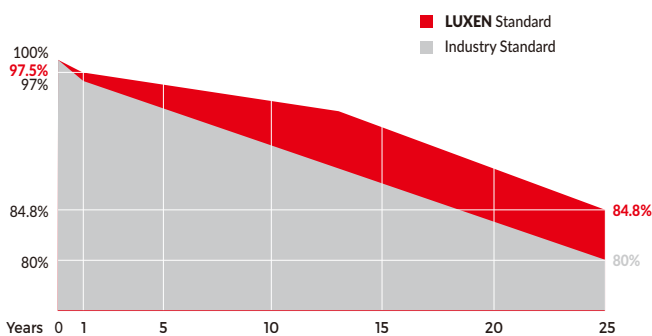- **Ga** Gallium-doped Technology
- anti PID LID — Anti-PID Low LID Performance
- Ⓐ Less Hot Spot Shading Effects
- Lower BOS & LCOE

Linear performance Warranty

LUXEN Standard
Industry Standard

100%
97.5%
97%
84.8%
80%

84.8%
80%

Years 0 1   5   10   15   20   25

Comprehensive Certificates

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

ISO TÜV CE CQC INMETRO Clean Energy Council

Quality Maker

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2384 x 1303 x 35mm
Weight	34.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm²
	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa
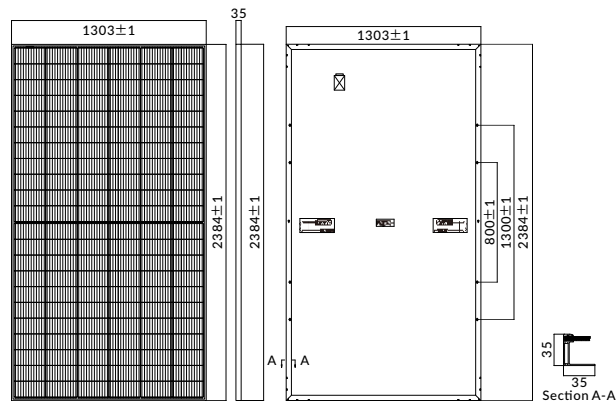
ELECTRICAL PARAMETERS

POWER CLASS	LNET-670M	
	STC	NOCT
Maximum power (Pmax)	670W	510W
Open Circuit Voltage (Voc)	45.71V	41.92V
Short Circuit Current (Isc)	18.78A	15.66A
Voltage at Maximum power (Vmpp)	38.22V	34.79V
Current Maximum Power (Impp)	17.53A	14.66A
MODULE EFFICIENCY (%)	21.60%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G   **NOCT:** Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G
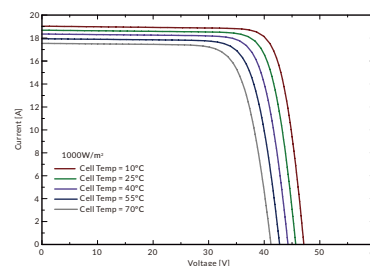
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	31
Pallets per container	17
Pieces per container	527
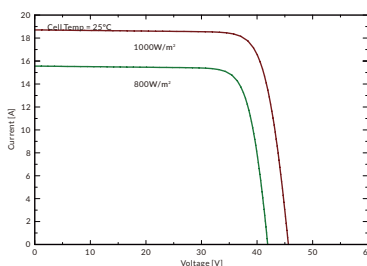
I-V CURVE   LNET-670M/I-V

OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (Noct)	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.

LUXEN SOLAR