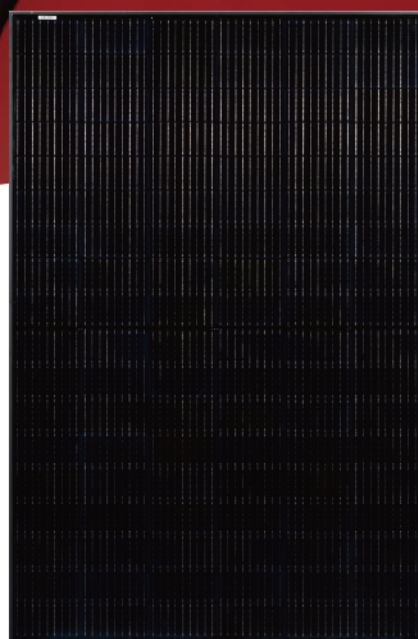


LUXPOWER® SERIES 5 400-415W Mono All Black

M10/182mm Cell . 108 Half-Cell Layout

LUXPOWER® Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal 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.



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance

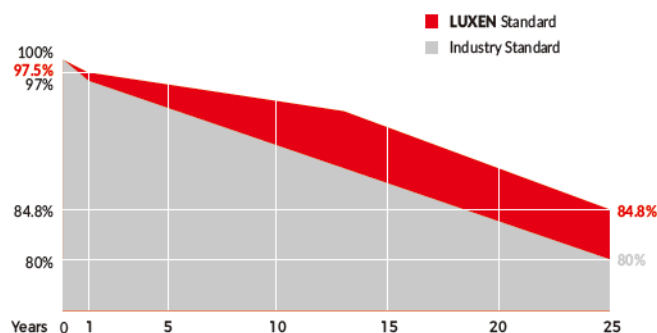


Less Hot Spot
Shading Effects



Lower BOS & LCOE

Linear performance Warranty



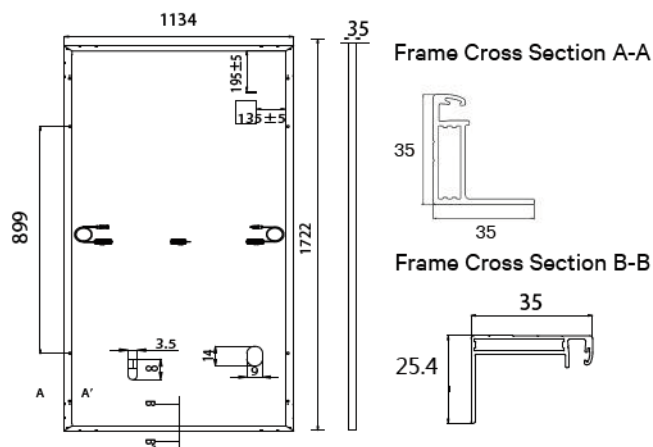
Comprehensive Certificates

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



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	108(6x18)
Dimensions	1722 x1134x 35mm
Weight	22kgs
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 (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVB-400M	LNVB-405M	LNVB-410M	LNVB-415M
	STC	STC	STC	STC
Maximum power (P _{max})	400W	405W	410W	415W
Open Circuit Voltage (V _{oc})	37.49V	37.74V	37.98V	38.22V
Short Circuit Current (I _{sc})	13.63A	13.70A	13.77A	13.84A
Voltage at Maximum power (V _{mpp})	31.40V	31.62V	31.83V	32.05V
Current Maximum Power (I _{mpp})	12.74A	12.81A	12.88A	12.95A
MODULE EFFICIENCY (%)	20.48%	20.74%	20.99%	21.25%

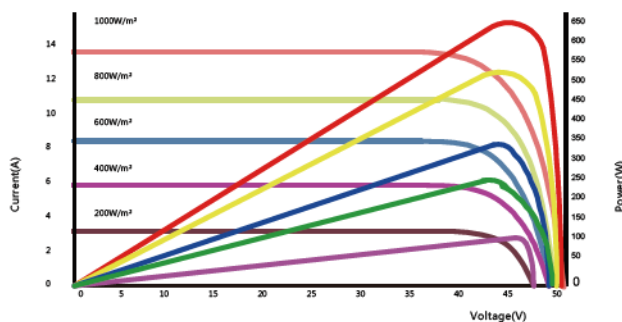
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5GNOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	31
Pallets per container	26
Pieces per container	806

I-V CURVE

LNV-410M/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 (Noct)	45±2°C
Temperature Coefficient of P _{max}	-0.36%/°C
Temperature Coefficient of V _{oc}	-0.28%/°C
Temperature Coefficient of I _{sc}	+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.