

LUXNERI® SERIES 5

565-585W Mono ALL BLACK

M10/182mm Cell . 156 Half-Cell Layout



Assembled with the breakthrough M10 (182mm) high power cells, **LUXNERI® Series 5 ALL BLACK** solar modules combine the impressive aesthetic appearance with the innovative technologies of gallium-doped wafer, half-cut cell, multi busbars and integrated segmented ribbon interconnection. The perfect visual effect, together with the high power generation performance and the reduced LID, hot spot and shading risks, make it ideal for residential rooftop application.



Full Black Appearance
for Aesthetic Effect



Gallium-doped Technology



Half Cut Cell Technology



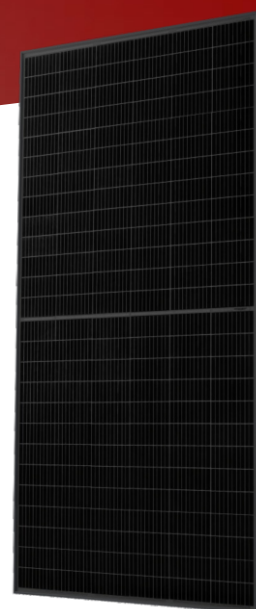
Anti-PID
Low LID
Performance



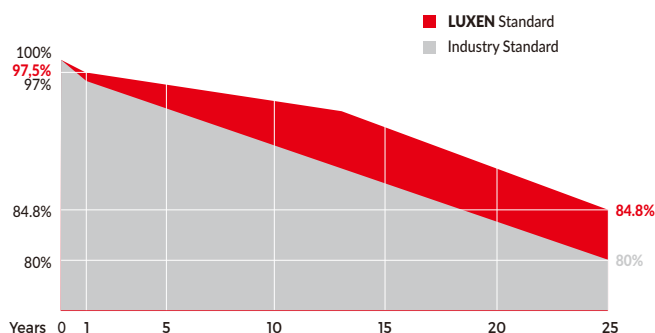
Less Hot Spot
Shading Effects



Ideal for Residential
Rooftop Application



Linear performance Warranty



Comprehensive Certificates

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



LUXEN SOLAR ENERGY CO., LTD.

Suzhou: No.22,North Guandu Road,Suzhou,Jiangsu,215104,China

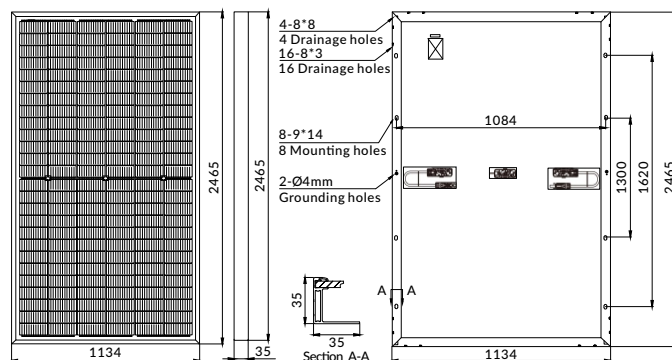
Nantong: No.1,Haiyue Road,Nantong,Jiangsu,226000,China

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	156 (6x26)
Dimensions	2465 x 1134 x 35mm
Weight	30.5kgs
Front Glass	3.2mm 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	LNVH-565M		LNVH-570M		LNVH-575M		LNVH-580M		LNVH-585M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	565W	429W	570W	433W	575W	437W	580W	441W	585W	445W
Open Circuit Voltage (Voc)	50.74V	48.79V	50.88V	49.02V	51.02V	49.25V	51.15V	49.47V	51.29V	49.69V
Short Circuit Current (Isc)	14.11A	11.19A	14.18A	11.23A	14.25A	11.27A	14.32A	11.31A	14.39A	11.35A
Voltage at Maximum power (Vmpp)	42.74V	40.59V	42.89V	40.81V	43.04V	41.03V	43.19V	41.25V	43.33V	41.47V
Current Maximum Power (Impp)	13.22A	10.57A	13.29A	10.61A	13.36A	10.65A	13.43A	10.69A	13.50A	10.73A
MODULE EFFICIENCY (%)	20.21%		20.39%		20.57%		20.75%		20.93%	

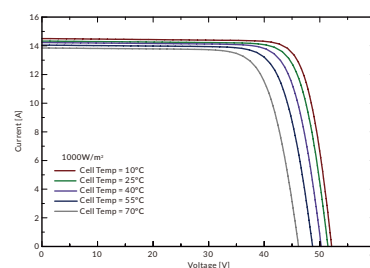
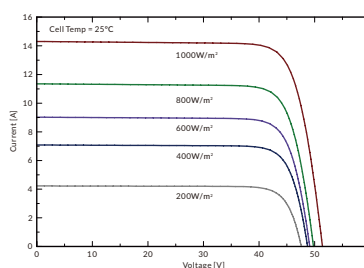
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5GNOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	4	18
Pieces per container	124	558

I-V CURVE

LNVH-580M/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 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.