

LUXPOWER[®]

MONO

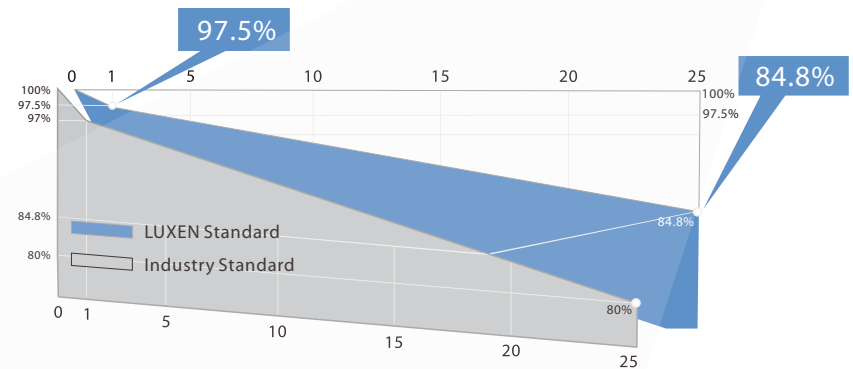
285-305w

Premium modules of LUXPOWER series with varied power ratings are suitable for all types of systems, from small-scale private roof systems to large-scale solar power farms. All LUXPOWER solar modules have the CE statement of approval and the IEC 61215 & IEC 61730 certificates.

60 cells



LINEAR PERFORMANCE WARRANTY



ISO9001:2015 QMS
ISO14001:2015 EMS
ISO45001:2018 OHSMS



IEC61215 & IEC61730
standard quality



Higher efficiency & Lower power degradation
2% less power reduction in the 1st year



Wind load up to 3800Pa
Snow load up to 5400Pa



0-5W positive power sorting



Stable performance under
weak light conditions



Salt mist and ammonia corrosion
tests passed



25-year power warranty
12-year product warranty



MONO 285-305w 60 cells

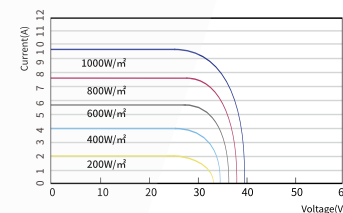
LUXEN

ELECTRICAL PARAMETERS

	LNSE-285M		LNSE-290M		LNSE-295M		LNSE-300M		LNSE-305M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	285W	218W	290W	222W	295W	227W	300W	231W	305W	236W
Open Circuit Voltage (Voc)	38.59V	37.23V	38.87V	37.57V	39.16V	37.90V	39.42V	38.22V	39.74V	38.55V
Short Circuit Current (Isc)	9.55A	7.60A	9.63A	7.67A	9.70A	7.73A	9.77A	7.80A	9.84A	7.86A
Voltage at Maximum Power (Vmp)	31.36V	29.94V	31.69V	30.33V	32.01V	30.71V	32.33V	31.09V	32.62V	31.45V
Current at Maximum Power (Imp)	9.09A	7.28A	9.15A	7.33A	9.22A	7.39A	9.28A	7.44A	9.35A	7.50A
Module Efficiency(%)	17.52%		17.83%		18.13%		18.44%		18.75%	

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

LNSE-295M/I-V



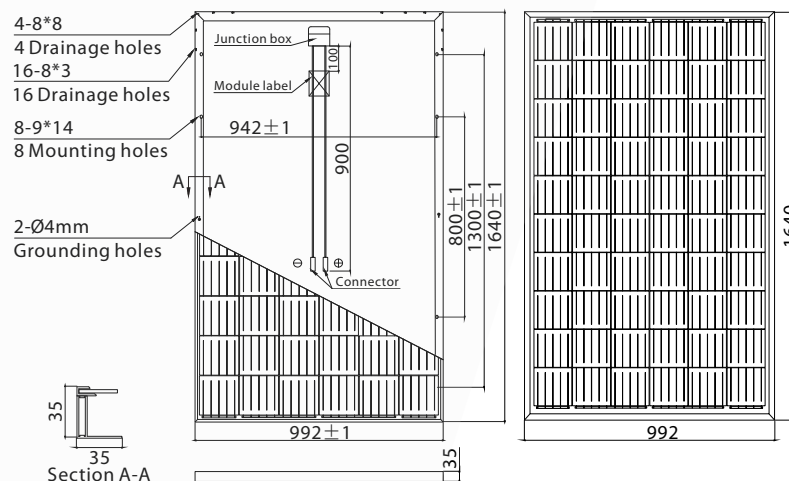
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0/+5W
Temperature Characteristics	
Nominal Operating Cell Temperature(Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

Packing Configuration

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	12	28
Pieces per container	372	868

Mechanical Characteristics

Solar Cell	MONO156.75x156.75mm
No.of Cell	60(6x10)
Dimensions	1640x992x35mm
Weight	17.5kgs
Front	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated(3 by pass diodes)
Output Cables	4.0mm ² symmetrical length 900mm
Connectors	MC4 compatible
Mechanical load test	5400Pa



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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.