

LUXPOWER®

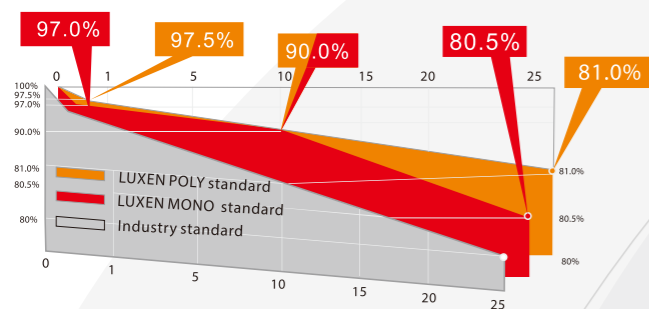
6 inches /60 cells

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.

Insured by **PICC** **CHUBB**

LINEAR PERFORMANCE WARRANTY

10 -Year Product Warranty • 25 -Year Linear Power Warranty



ISO9001:2015&ISO14001 mangarment systems

IEC IEC61215 & IEC61730 standard quality

+5W 0-5W positive power sorting

Stable performance under weak light conditions

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

Salt mist and ammonia corrosion tests passed

10-year 25-year 25-year power warranty
10-year product warranty



LUXEN

6 inches /60 cells

LUXEN SOLAR ENERGY CO., LTD

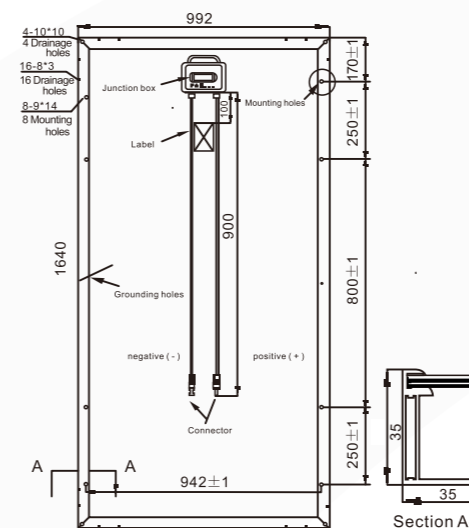
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MONO	STC	LNSE-280M	LNSE-285M	LNSE-290M	LNSE-295M	LNSE-300M
Maximum Power (P _{max})		280W	285W	290W	295W	300W
Open Circuit Voltage (V _{oc})		38.5V	38.7V	38.9V	39.1V	39.2V
Short Circuit Current (I _{sc})		9.37A	9.49A	9.60A	9.69A	9.82A
Voltage at Maximum Power (V _{mpp})		31.5V	31.7V	31.9V	32.0V	32.3V
Current at Maximum Power (I _{mpp})		8.89A	8.99A	9.09A	9.16A	9.29A
Module Efficiency (%)		17.21%	17.52%	17.83%	18.13%	18.44%

POLY	STC	LNSE-265P	LNSE-270P	LNSE-275P	LNSE-280P	LNSE-285P
Maximum Power (P _{max})		265W	270W	275W	280W	285W
Open Circuit Voltage (V _{oc})		37.5V	38.2V	38.2V	38.5V	38.6V
Short Circuit Current (I _{sc})		9.21A	9.30A	9.35A	9.44A	9.54A
Voltage at Maximum Power (V _{mpp})		30.5V	30.9V	30.9V	31.1V	31.3V
Current at Maximum Power (I _{mpp})		8.68A	8.74A	8.90A	9.01A	9.10A
Module Efficiency (%)		16.29%	16.60%	16.90%	17.21%	17.52%

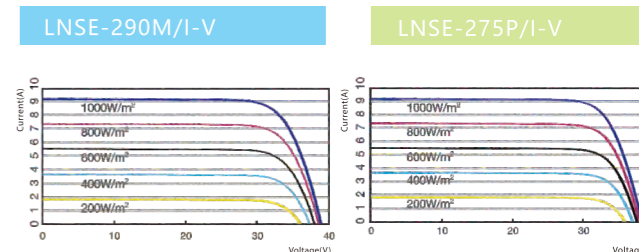
STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5;
Best in Class AAA solar simulator(IEC 60904-9) used, power measurement uncertainty is within +/-3%



Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC (IEC) 600V DC (UL)
Maximum Series Fuse Rating	15A
Power Tolerance	0/+5W
Temperature Characteristics	
Nominal Operating Cell Temperature (N _{oCT})	45±2°C
Temperature Coefficient of P _{max}	-0.40%/°C
Temperature Coefficient of V _{oc}	-0.31%/°C
Temperature Coefficient of I _{sc}	0.05%/°C

Packing Configuration	20'GP	40'GP
Container	20'GP	40'GP
Pieces per pallet	30	30
Pallets per container	12	28
Pieces per container	360	840

Mechanical Characteristics	
Solar Cell	156×156mm(6 inches)
No.of Cells	60(6×10)
Dimensions	1640x992x35mm
Weight	20.0kgs
Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated(3 by pass diodes)
Output Cables	4.0mm ² , symmetrical length (-)-900mm and (+)900mm
Connectors	MC4 compatible
Mechanical load test	5400Pa



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