Infinite Power

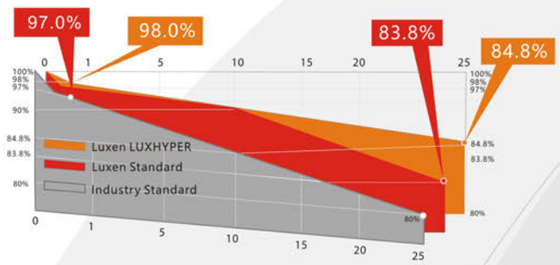
LUXHYPER® Half-cut cell modules

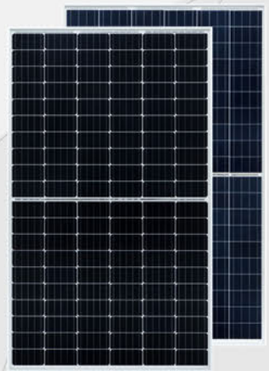
6 inches /60 cells

LUXHYPER®series (Super-efficiency half-cell Modules) Assembled with the advanced half-cell technology offer the advantages of higher power output, reduced series resistance loss, and lower risk of hot spot. In order to meet the Clients' requirements of best quality and efficiency.

LINEAR PERFORMANCE WARRANTY

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





- ISO9001:2015&ISO14001 mangarment systems
- Smaller electric current, less CTM loss Lower risk of hot spot
- IEC61215 & IEC61730 standard quality
- Wind load up to 3800Pa Snow load up to 5400Pa
- 0-5W positive power sorting
- Salt mist and ammonia corrosion tests passed
- Stable performance under weak light conditions
- 25-year power warranty 10-year product warranty

Insured by PICC CHUBB

LUXEN

6 inches /60 cells

LUXEN SOLAR ENERGY CO., LTD
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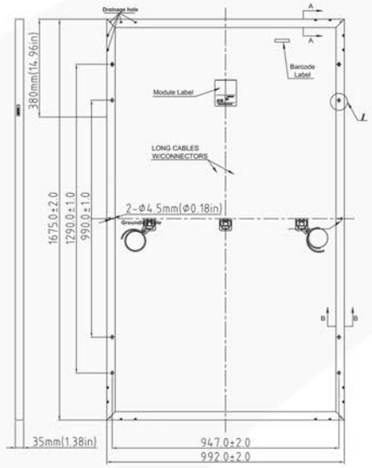
sales@luxensolar.com
www.luxensolar.com

MONO STC	LNSE-300M	LNSE-305M	LNSE-310M	LNSE-315M
Maximum Power (P_{max})	300W	305W	310W	315W
Open Circuit Voltage (V_{oc})	39.7V	39.9V	40.1V	40.3V
Short Circuit Current (I_{sc})	9.58A	9.64A	9.69A	9.73A
Voltage at Maximum Power (V_{mpp})	32.9V	33.2V	33.5V	33.8V
Current at Maximum Power (I_{mpp})	9.12A	9.20A	9.26A	9.33A
Module Efficiency (%)	18.05%	18.36%	18.66%	18.96%

POLY STC	LNSE-280P	LNSE-285P	LNSE-290P	LNSE-295P
Maximum Power (P_{max})	280W	285W	290W	295W
Open Circuit Voltage (V_{oc})	39.0V	39.3V	39.6V	39.9V
Short Circuit Current (I_{sc})	9.25A	9.30A	9.37A	9.43A
Voltage at Maximum Power (V_{mpp})	32.0V	32.3V	32.6V	32.9V
Current at Maximum Power (I_{mpp})	8.76A	8.83A	8.90A	8.97A
Module Efficiency (%)	16.85%	17.15%	17.45%	17.75%

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

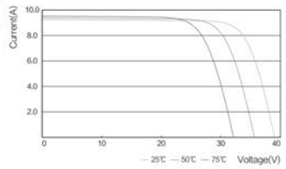


Operating Module Temperature	-40℃ to +85℃
Maximum System Voltage	1500V DC(IEC) 1000V DC(UL)
Maximum Series Fuse Rating	15A
Power Tolerance	0/+5W
Temperature Characteristics	
Nominal Operating Cell Temperature (NOCT)	45±2℃
Temperature Coefficient of Pmax	- 0.39℃
Temperature Coefficient of Voc	- 0.30℃
Temperature Coefficient of Isc	+0.05%/℃

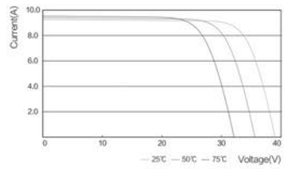
Mechanical Characteristics	
Solar Cell	156×156mm(6 inches)
No.of Cells	60(6×10)
Dimensions	1675×992×35mm
Weight	19.5kgs
Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated(3 by pass diodes)
Output Cables	4.0mm², symmetrical length 300mm
Connectors	MC4 compatible
Mechanical load test	5400Pa

Packing Configuration		
Container	20'GP	40'GP
Pieces per pallet	26	29
Pallets per container	12	28
Pieces per container	312	812

LNSE-305M/I-V



LNSE-285P/I-V



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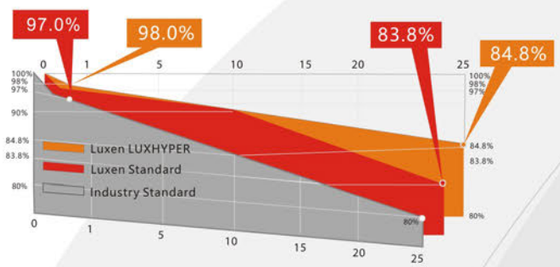

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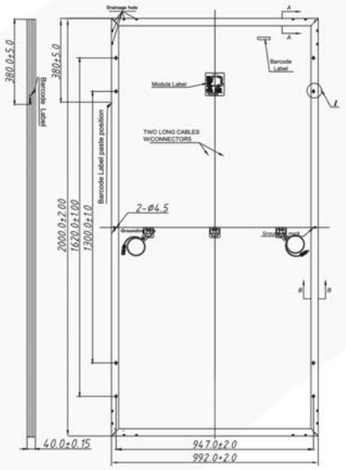
MONO

STC	LNSF-360M	LNSF-365M	LNSF-370M	LNSF-375M
Maximum Power (P_{max})	360W	365W	370W	375W
Open Circuit Voltage (V_{oc})	47.8V	48.0V	48.3V	48.5V
Short Circuit Current (I_{sc})	9.70A	9.77A	9.83A	9.89A
Voltage at Maximum Power (V_{mpp})	39.1V	39.3V	39.6V	39.8V
Current at Maximum Power (I_{mpp})	9.21A	9.29A	9.35A	9.43A
Module Efficiency (%)	18.15%	18.40%	18.65%	18.90%

POLY

STC	LNSE-340P	LNSE-345P	LNSE-350P	LNSE-355P
Maximum Power (P_{max})	340W	345W	350W	355W
Open Circuit Voltage (V_{oc})	46.4V	46.6V	46.9V	47.1V
Short Circuit Current (I_{sc})	9.40A	9.47A	9.53A	9.60A
Voltage at Maximum Power (V_{mpp})	38.3V	38.6V	38.9V	39.2V
Current at Maximum Power (I_{mpp})	8.89A	8.95A	9.02A	9.08A
Module Efficiency (%)	17.14%	17.39%	17.64%	17.89%

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



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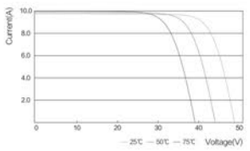
Temperature Coefficient of Pmax	- 0.39℃
Temperature Coefficient of Voc	- 0.30℃
Temperature Coefficient of Isc	+0.05%/℃

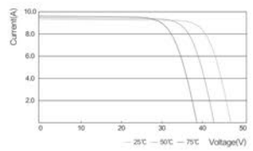
Mechanical Characteristics	
Solar Cell	156×156mm(6 inches)
No.of Cells	72(6×12)
Dimensions	2000×992×40mm
Weight	23.0kgs
Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated(3 by pass diodes)
Output Cables	4.0mm², symmetrical length 300mm
Connectors	MC4 compatible
Mechanical load test	5400Pa

Packing Configuration		
Container	20'GP	40'GP
Pieces per pallet	26	26
Pallets per container	10	22
Pieces per container	260	572

LNSE-365M/I-V



LNSE-345P/I-V



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