



Cloverfour Renewable Energy Solutions

LNSE

6"/60 cells



ISO 9001:2015&ISO14001
Management systems



Standard quality



0-5W positive power sorting



Stable performance under weak light



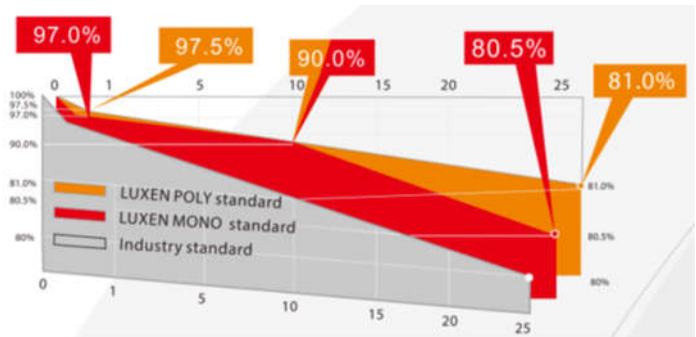
Wind load up to 3800Pa
Snow load up to 5400Pa



Salt Mist and ammonia corrosion
Tests Passed



10 Years Product warranty
25 years **Linear** power warranty

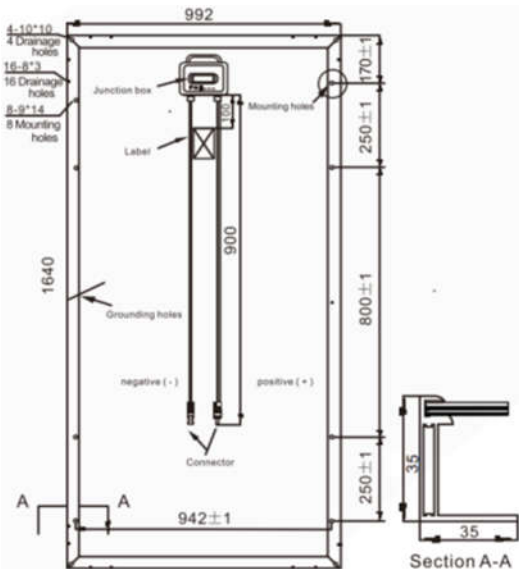


PT Vistana Insinyur Servis Co.reg.no (NPWP): 03.297.743.1-215.000
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MONO	STC	LNSE-280M	LNSE-285M	LNSE-290M	LNSE-295M	LNSE-300M
Maximum Power (P _{max})		280W	285W	290W	295W	300W
Open Circuit Voltage (V _{oc})		38.5V	38.7V	38.9V	39.1V	39.2V
Short Circuit 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%

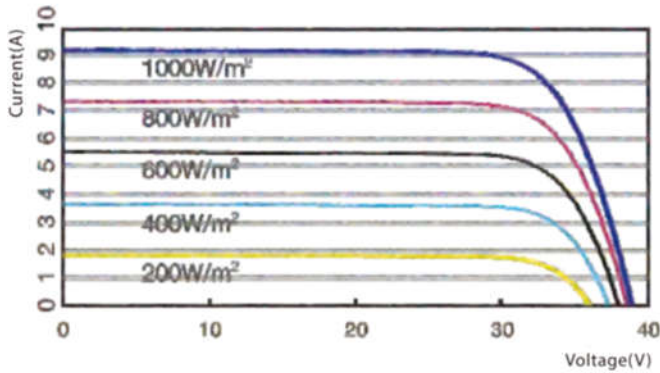


Mechanical Characteristics	
Solar Cell	156×156mm(6 inches)
No. of Cells	60(6×10)
Dimensions	1640×992×35mm
Weight	20.0kgs
Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68 rated(3 by pass diodes)
Output Cables	4.0mm ² , symmetrical length (-)900mm and (+)900mm
Connectors	MC4 compatible
Mechanical load test	5400Pa

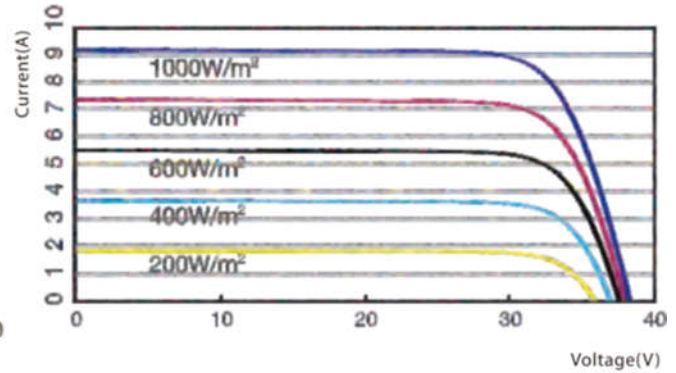
Temperature Characteristics	
Nominal Operating Cell Temperature (Noct)	45±2°C
Temperature Coefficient of P _{max}	-0.40%/°C
Temperature Coefficient of V _{oc}	-0.31%/°C
Temperature Coefficient of I _{sc}	0.05%/°C

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

LNSE-290M/I-V



LNSE-275P/I-V



LNSE is a series of Premium quality modules with a wide range of power ratings, that makes this range suitable for all types of projects and systems, from small scale private roof top systems to large scale solar power farms.



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