

LUXPOWER

LNSA 135P-150P

POLYCRYSTALLINE SOLAR MODULE

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



ISO 9001 :2008 & ISO 14001
management systems



Wind load up to 2400 Pa / Snow
load up to 5400 Pa



IEC 61215 & IEC 61730
standard quality



Salt mist and ammonia corrosion
tests passed



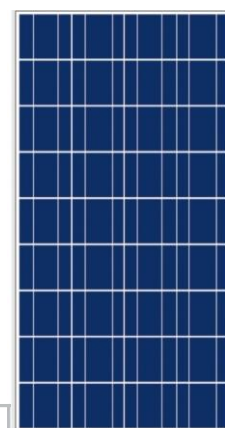
0-5 W positive power sorting



25-year performance warranty /
10-year product warranty



Stable performance under weak
light conditions



Reliable choice for secure solar yield

LUXEN
Quality Maker

Electrical Characteristics

STC	LNSA-135P	LNSA-140P	LNSA-145P	LNSA-150P
Optimum Operating Voltage (V _{mp})	17.6 V	17.7V	18.0V	18.2V
Optimum Operating Current (I _{mp})	7.67A	7.91A	8.06A	8.24A
Open Circuit Voltage (V _{oc})	22.1V	22.4V	22.4V	22.5V
Short Circuit Current (I _{sc})	8.02A	8.15A	8.24A	8.57A
Maximum Power at STC (P _{max})	135W	140W	145W	150W
Cell Efficiency	15.72%	16.07%	16.42%	16.77%
Operating Module Temperature	-40 octo +85 oc			
Maximum System Voltage	1000 V DC (IEC) / 600V DC (UL)			
Maximum Series Fuse Rating	15A			
Power Tolerance	0/+5W			

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;

Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

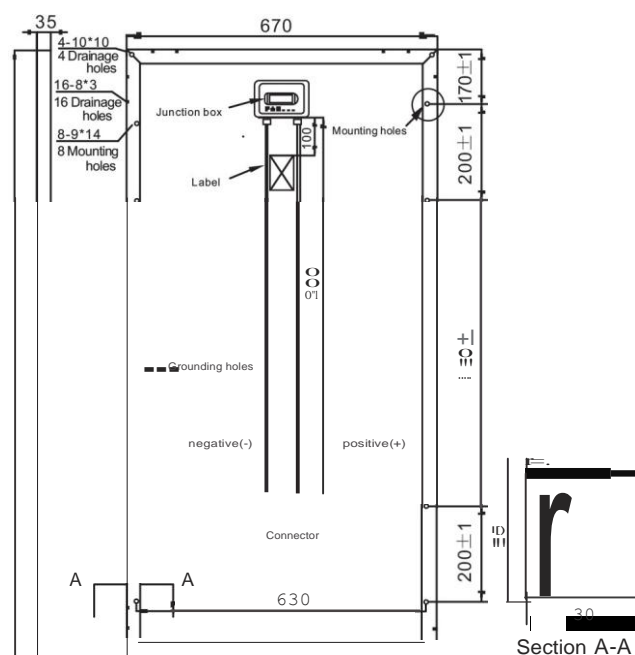
NOCT	LNSA-135P	LNSA-140P	LNSA-145P	LNSA-150P
Maximum Power at NOCT (P _{max})	96W	100W	104W	108W
Optimum Operating Voltage (V _{mp})	16.0V	16.1V	16.2V	16.3V
Optimum Operating Current (I _{mp})	6.00A	6.21A	6.42A	6.63A
Open Circuit Voltage (V _{oc})	20.1V	20.2V	20.3V	20.4V
Short Circuit Current (I _{sc})	6.61A	6.88A	7.16A	7.41A

NOCT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;

Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Mechanical Characteristics

Solar Cell	Poly-crystalline silicon 156 x 156 mm (6 inches)
No. of Cells	36(4x9)
Dimensions	1480x670x35mm
Weight	9.8 kgs
Front	Glass 3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated (2 bypass diodes)
Output Cables	TOV (2Pfg1169:2007), UL 4703, 4.0 mm ² , symmetrical length (-) 900mm and(+) 900 mm
Connectors	MC 4 compatible
Mechanical load test	5400Pa
Resistance	277g steel ball falls down from 1m height and 60mls wind



Temperature Charateristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of P _{max}	-0.44 o/o/°C
Temperature Coefficient of V _{oc}	-0.33 o/o/°C
Temperature Coefficient of I _{sc}	0.055 o/o/°C

Packing Configuration

Container	20'GP	40'GP
Pieces per pallet	29	29
Pallets per container	14	30
Pieces per container	406	870

LUXEN designs, manufactures and delivers high-quality solar panel 1 W- 320W, for both on-grid and off-grid systems. OEM ODM services also can be offered by providing customized design and best cost-effective / proven-performance solar products.

The ISO 9001 management system and a comprehensive range of tests and quality control procedures established according to IEC 61215 / 61730 requisites are implemented in LUXEN's manufacturing facilities, only for one goal: We deliver RELIABLE solar products.