



# LINUO SOLAR 435~460W



Monocrystalline PV Module  
LSSMH144P Series (166)



MBB & Half Cut cell technology



Guaranteed 0~+5W positive tolerance to ensure power output



Dual stage 100% EL Inspection Warranting Defect-Free Product



Less hot spot & shading effects



Excellent mechanical load 2400Pa and snow load 5400Pa resistance



Lower BOS cost and LCOE



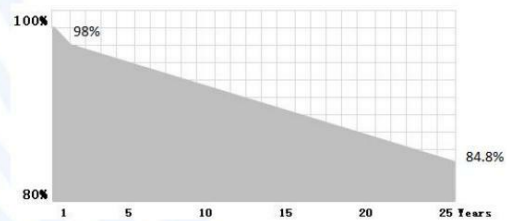
Excellent PID resistance.

## Comprehensive Certificates

- IEC61215, IEC61730
- TUV, CE
- ISO9001: 2015
- ISO14001: 2015
- ISO45001: 2018



## Superior Warranty



Shandong Linuo Solar Power Technology Co.,Ltd  
 Add: No.30766 Jingshidong Road, Jinan Zone, CHINA(Shandong) Pilot Free Trade Zone  
 Web: <http://en.linuopv.com/>

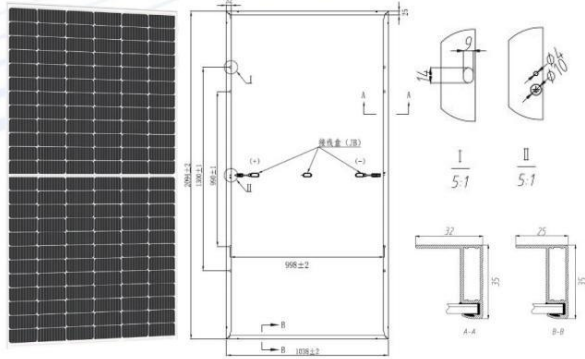


**LINUO SOLAR**

**LSSMH144P-435~460W**

### Mechanical Specifications @STC

Solar Cells:	Mono
Number of Cells:	144pcs
Module Dimension:	2094×1038×35mm
Weight:	23.5kg
Snow/Wind Load:	5400/2400 Pa
Thickness of Glass:	3.2mm
Junction Box:	IP68, 3 Diodes
Connector:	HTC-16, IP68
Length:	(+)290mm /(-)290mm(including connector)



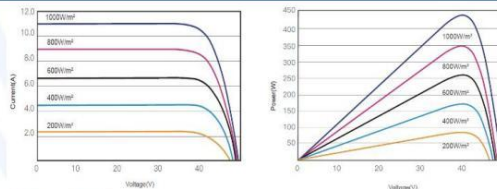
### Electrical Specifications @STC

Pmax (W) 0~5W	Umpp (V)	Impp(A)	Uoc (V) ±3%	Isc(A) ±3%	Module Efficiency	Max System Voltage	Max Series Fuse
435	40.84	10.66	48.98	11.3	20.01%	1500V	20A
440	41.02	10.73	49.19	11.38	20.24%	1500V	20A
445	41.23	10.8	49.36	11.47	20.47%	1500V	20A
450	41.39	10.88	49.49	11.56	20.70%	1500V	20A
455	41.55	10.97	49.62	11.65	20.93%	1500V	20A
460	41.69	11.05	49.75	11.76	21.16%	1500V	20A

### Temperature Parameter

Temperature Cycling Range:	-40°C ~ +85°C
Norminal Module Operating Temperature:	45±2 °C
Temperature Coefficient of Isc:	0.048%/°C
Temperature Coefficient of Voc :	-0.252 %/°C
Temperature Coefficient of Pmax :	-0.332%/°C

### I-V Curve LSSMH144-440W



### Packaging Configuration

Modules Per Pallet:	31 pcs
Modules Per 40' HQ:	682 pcs

### Guarantee

12-year warranty on materials & workmanship  
25-year linear power output warranty

※ Specifications subject to technical changes and tests, Linuo Power reserves the right of final interpretation.

Shandong Linuo Solar Power Technology Co.,Ltd  
Add: No.30766 Jingshidong Road, Jinan Zone, CHINA(Shandong) Pilot Free Trade Zone  
Web: <http://en.linuopv.com/>