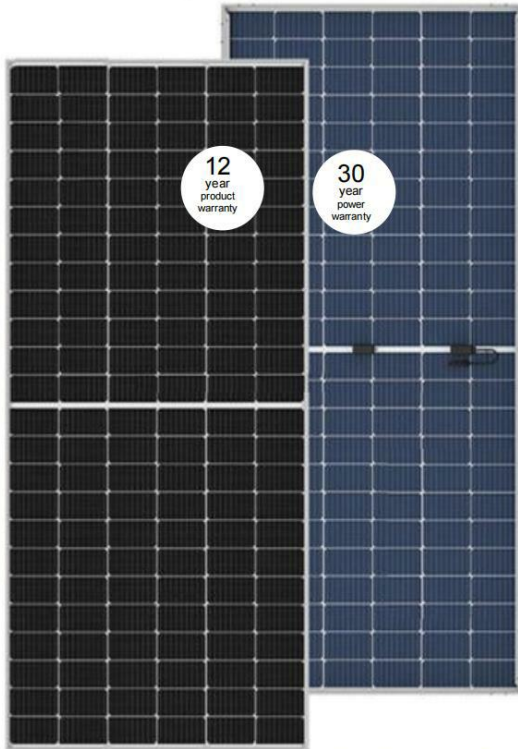




# LINUO SOLAR

# 425~450W

Monocrystalline PV Module  
LSDMH144P 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



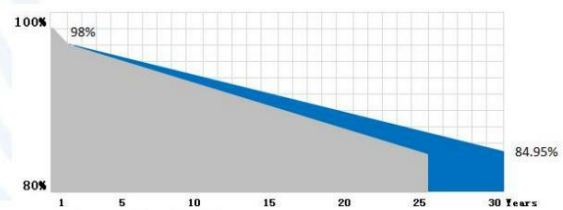
Excellent PID resistance.

### 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/>

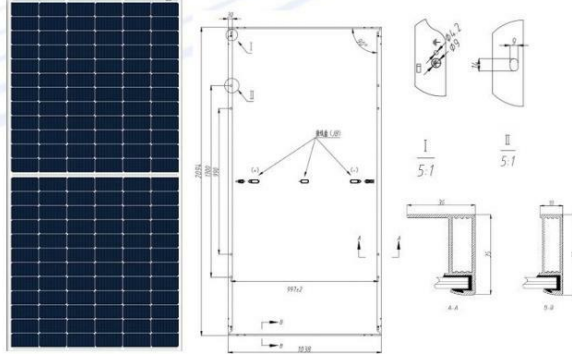


**LINUO SOLAR**

**LSDMH144P-425~450W**

**Mechanical Specifications @STC**

Solar Cells: Mono  
 Number of Cells: 144pcs  
 Module Dimension: 2094×1038×35mm  
 Weight: 27.5kg  
 Snow/Wind Load: 5400/2400 Pa  
 Thickness of Glass: Dual Glass 2mm  
 Junction Box: IP68, 3 Diodes  
 Connector: HTC-16, IP68  
 Length: (+)290mm /(-)290mm(including connector)



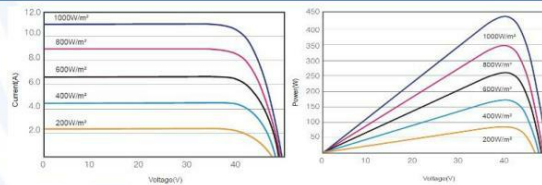
**Electrical Specifications @STC**

Pmax (W) 0-+5W	Jmpp (V)	Impp(A)	Uoc (V) ±3%	Isc(A) ±3%	Module Efficiency	Max System Voltage	Max Series Fuse	Bifacial Gain 5% (W)	Bifacial Gain 15% (W)	Bifacial Gain 25% (W)
425	40.45	10.52	48.59	11.15	19.55%	1500V	25A	446	489	531
430	40.65	10.59	48.78	11.22	19.78%	1500V	20A	451	494	537
435	40.84	10.66	48.98	11.30	20.01%	1500V	20A	456	500	543
440	41.02	10.73	49.19	11.38	20.24%	1500V	20A	462	506	550
445	41.23	10.80	49.36	11.47	20.47%	1500V	20A	467	511	556
450	41.39	10.88	49.49	11.56	20.70%	1500V	20A	472	517	562

**Temperature Parameter**

Temperature Cycling Range: -40°C ~ +85°C  
 Norminal Module Operating Temperature: 45±2 °C  
 Temperature Coefficient of Isc: 0.028%/°C  
 Temperature Coefficient of Voc: -0.302 %/°C  
 Temperature Coefficient of Pmax: -0.414%/°C

**I-V Curve LSDMH144-450W**



**Packaging Configuration**

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

**Guarantee**

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

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

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