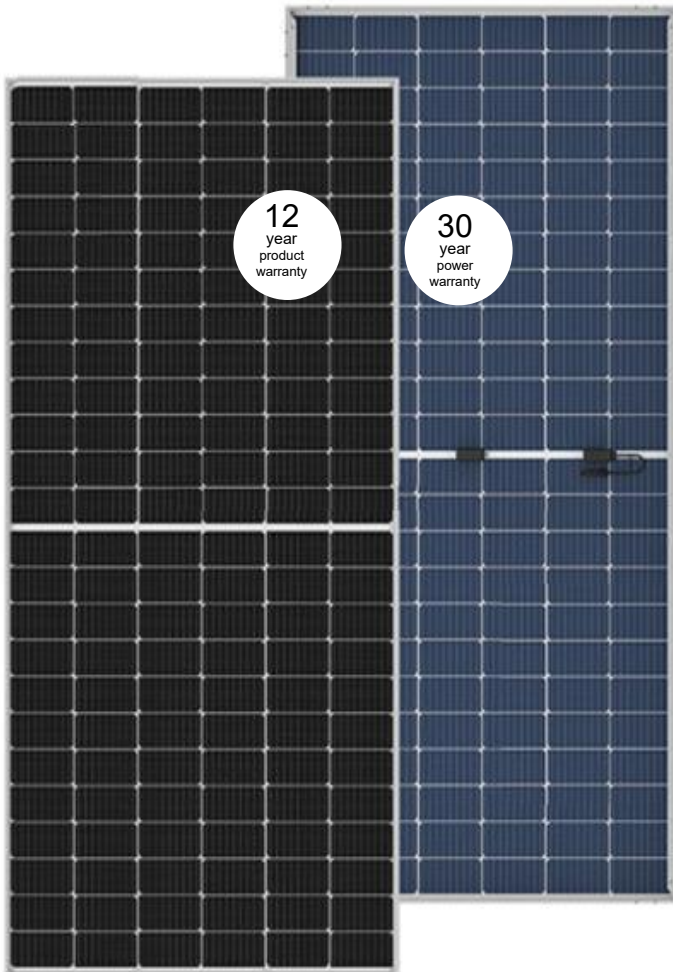


Monocrystalline PV Module
FYSDMH144P Series (166)



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



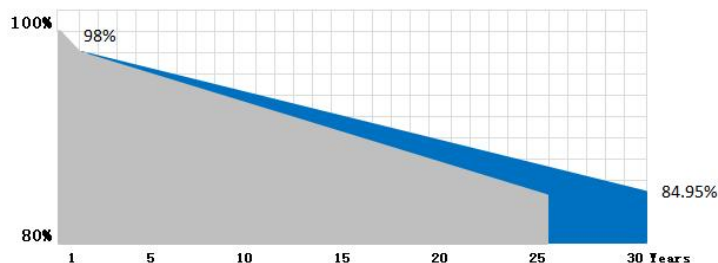
Excellent PID resistance.

Comprehensive Certificates

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

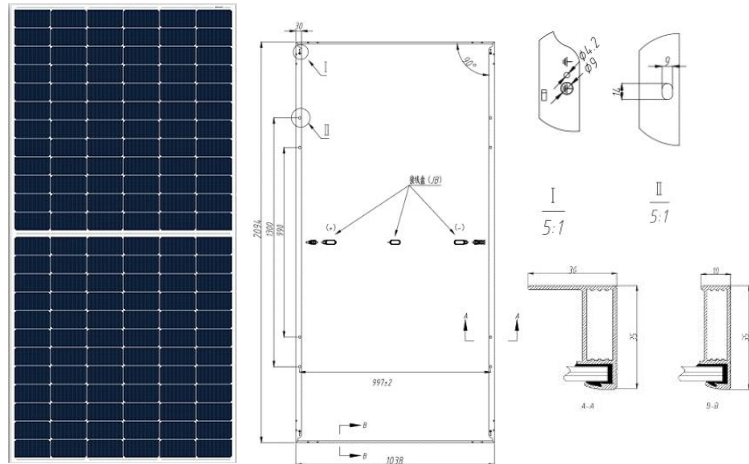


Superior Warranty



Mechanical Specifications @STC

Solar Cells:	Mono
Number of Cells:	144pcs
Module Dimension:	
2094×1038×35mm	
Weight:	26.5kg
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)



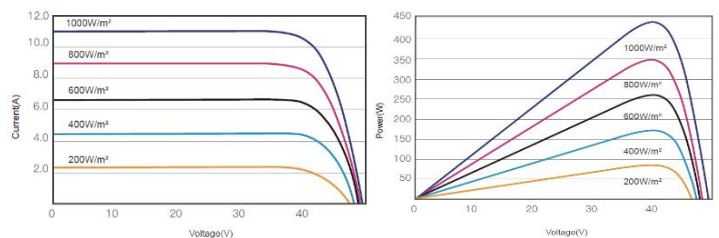
Electrical Specifications @STC

P_{max} (W) 0~5W	J_{mpp} (V)	I_{mpp} (A)	U_{oc} (V) ±3%	I_{sc} (A) ±3%	Module Efficiency	Max System Voltage	Max Series Fuse	Bifacial Gain 5% (W)	Bifacial Gain 15% (W)	Bifacial Gain 25% (W)
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
455	41.55	10.97	49.62	11.65	20.93%	1500V	20A	477	522	572

Temperature Parameter

Temperature Cycling Range:	-40°C ~ +85°C
Norminal Module Operating Temperature:	45±2 °C
Temperature Coefficient of I_{sc} :	0.028%/°C
Temperature Coefficient of V_{oc} :	-0.302 %/°C
Temperature Coefficient of P_{max} :	-0.414%/°C

I-V Curve FYSDMH144P-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, Fuyesen Power reserves the right of final interpretation.