

EVI 54M - H8N Series

430W/435W/440W/445W

N-Type TOPCon HALF-CELL MONO PV MODULE



COMPREHENSIVE CERTIFICATES

IEC61215 / IEC61730 / IEC61701 / IEC62716 / IEC62804
 ISO 9001: 2015 Quality management systems;
 ISO 14001: 2015 Environmental management systems;
 OHSAS 18001: 2007 Occupational health and safety management systems;

FEATURES



Overflow tank can be waterproof

The excess silicone will flow into the overflow tank, can reduce 3% water vapor entering the panels.



Stronger frame

The C side of the frame contains curved hook reinforcement, enhanced the mechanical load strength by 10%



Current grading

Current classification effectively avoids 2% power loss caused by current mismatch during installation, achieving max output power.



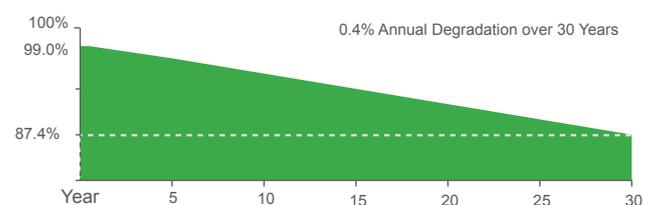
IP68 junction box

IP68 junction box offer perfect waterproof performance.

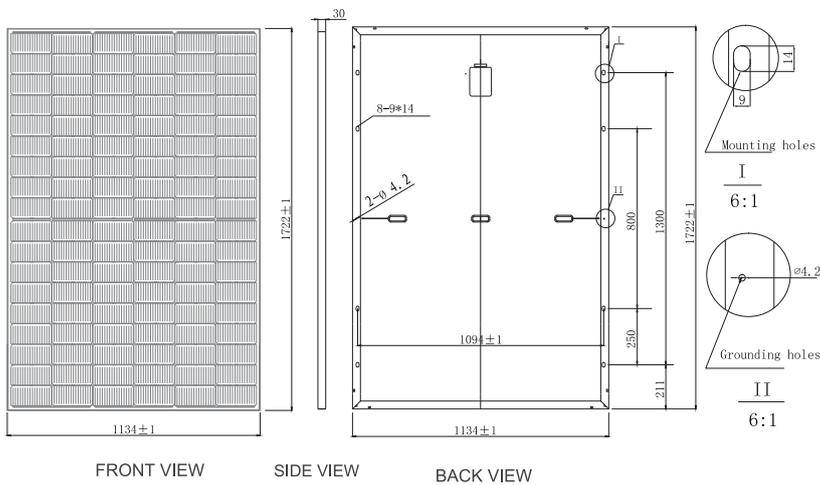
LINEAR PERFORMANCE WARRANTY

- 12 Years Manufacturing Warranty
- 12 Years 94.6% Power Output
- 30 Years 84.8% Power Output

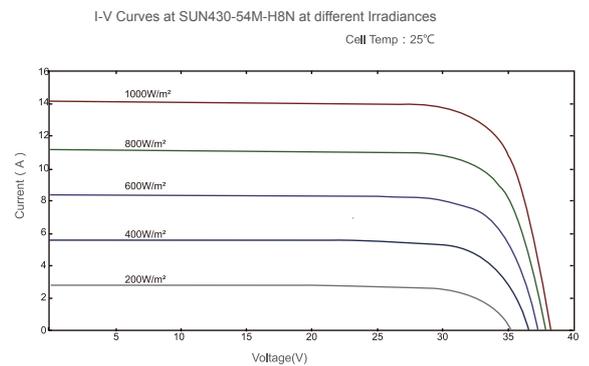
QUALIFICATIONS AND CERTIFICATES



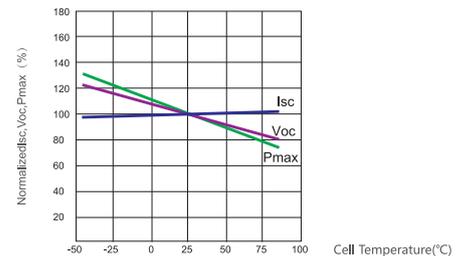
MECHANICAL DRAWINGS



I-V CURVES



Power voltage current curve at different temperature



MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 182x91mm
Number Of Cells	108 (6x18)
Dimensions(AxBxC)	1722x1134x30mm
Weights	20.3kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² ,+300mm,-300mm Customized Length

PACKING CONFIGURATION

Container	40' HQ
Pieces Per Pallet	36
Pallets Per Container	26
Pieces Per Containert	936

ELECTRICAL CHARACTERISTICS

Model	EVIS-M430-H8N		EVIS-M435-H8N		EVIS-M440-H8N		EVIS-M445-H8N	
	430W		435W		440W		445W	
Module Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	430W	324.6W	435W	328.3W	440W	332.1W	445W	335.9W
Short Circuit Current(Isc)	14.21A	11.54A	14.32A	11.63A	14.41A	11.70A	14.54A	11.81A
Open Circuit Voltage(Voc)	38.56V	36.52V	38.71V	36.66V	38.86V	36.81V	39.01V	36.95V
Maximum Power Current(Imp)	13.44A	10.91A	13.54A	10.99A	13.63A	11.06A	13.76A	11.16A
Maximum Power Voltage(Vmpp)	31.99V	29.75V	32.14V	29.87V	32.29V	30.02V	32.34V	30.09V
Module Efficiency	22.00%		22.3%		22.5%		22.8%	
Power Tolerance	0~+5W		0~+5W		0~+5W		0~+5W	
Maximum System Voltage	VDC 1500V							
Maximum Series Fuse	25A							
Increased Snowload Acc.to Iec 61215	5400Pa							
Operating Temperature	-40~+85°C							
Number Of Bypass Diodes	3							
Norminal Operating Cell Temperature(Noct)	45°C+2°C							
Temperature Coefficient Of Pmax	-0.30%/°C							
Temperature Coefficient Of Voc	-0.25%/°C							
Temperature Coefficient Of Isc	0.046%/°C							

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5. NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, wind speed 1m/s.