

EVI 182MM Series

400W/405W/410W/415W/420W

QUALIFICATIONS AND CERTIFICATES



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;



High output power



Better power generation under shadows



Strong anti-hot spot ability



Strong mechanical load capacity

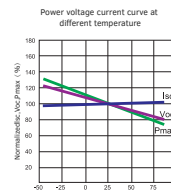
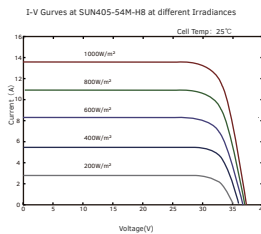


Super strong frame



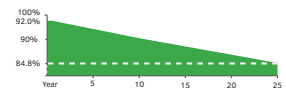
1500V system voltage

I-V CURVES

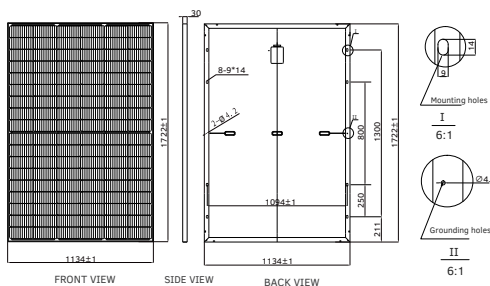


LINEAR PERFORMANCE WARRANTY

- 12 Years Manufacturing Warranty
- 12 Years 92.0% Power Output
- 25 Years 84.8% Power Output



MECHANICAL DRAWINGS



MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 182x91mm
Number Of Cells	108 (6x18)
Dimensions(AxBxC)	1722x1134x30mm
Weights	21.5kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm², +300mm, -300mm Customized Length

ELECTRICAL CHARACTERISTICS

Model	EVIS-M400-H8		EVIS-M405-H8		EVIS-M410-H8		EVIS-M415-H8		EVIS-M420-H8	
Module Type	400W		405W		410W		415W		420W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	400W	301.3W	405W	305.1W	410W	308.9W	415W	312.6W	420W	316.4W
Short Circuit Current(Isc)	13.70A	11.07A	13.77A	11.13A	13.85A	11.19A	13.93A	11.26A	14.01A	11.32A
Open Circuit Voltage(Voc)	37.1V	34.7V	37.4V	35.0V	37.6V	35.1V	37.9V	35.4V	38.1V	35.6V
Maximum Power Current(Impp)	12.86A	10.49A	12.94A	10.55A	13.02A	10.61A	13.09A	10.67A	13.17A	10.73A
Maximum Power Voltage(Vmpp)	31.1V	28.7V	31.3V	28.9V	31.5V	29.1V	31.7V	29.3V	31.9V	29.5V
Module Efficiency	20.48%		20.74%		21.00%		21.25%		21.51%	
Power Tolerance	0~+5W		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℃				
Number Of Bypass Diodes						3				
Norminal Operating Cell Temperature(Noct)						45℃±2℃				
Temperature Coefficient Of Pmax						-0.35%℃				
Temperature Coefficient Of Voc						-0.27%℃				
Temperature Coefficient Of Isc						0.05%℃				

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