

◆ Product Intro

AfMb Series 430W~450W
Mono crystalline Solar Module

Guaranteed Power (%)

Years

Section A-A

Quality guaranteed

1. Linear output power guaranteed
2. 10 years product warranty
3. 25 years linear power output

◆ MODULE CHARACTERISTICS

Models	GEP-AfMb440MH	GEP-AfMb445MH	GEP-AfMb450MH
Maximum Power (Pmax)	440W±3%	445W±3%	450W±3%
Positive Power Selection	0/+5W	0/+5W	0/+5W
Maximum Power Voltage (Vmp)	41.0V	41.2V	41.4V
Maximum Power Current(Imp)	10.74A	10.81A	10.87A
Open Circuit Voltage (Voc)	48.8V±3%	49.0V±3%	49.2V±3%
Short Circuit Current (Isc)	11.47A±3%	11.54A±3%	11.61A±3%
Module Efficiency	20.2%	20.5%	20.7%
Operating module Temperature	- 40 °C ~ +85 °C		
Maximum system(DC) Voltage	DC1500V(IEC)		
Maximum Series Fuse Rating	25A		
Nominal Module Operating Temperature	42±2 °C		
Temperature Coefficients of Pmax	- 0.36%/ °C		
Temperature Coefficients of Voc	- 0.304%/ °C		
Temperature Coefficients of Isc	+ 0.050%/ °C		
Fire Rating	Class C		

◆ MECHANICAL CHARACTERISTICS

Solar Cell	Mono crystalline 166×83mm 9BB
Number of cells	144 (6×24)
Dimensions	2094×1038×35mm (82.44×40.87×1.38inches)
Weight	24.5Kg (54.0lbs)
Front Glass	3.2mm (0.13inches)front glass
Frame	Anodized aluminum alloy
Junction Box	IP68 rated
Cable	4mm ² solar cable 300mm (11.81inches)Customized Length
Connector	PV-XT101.1/Z4S-abcde

◆ PACKING

	20GP	40HC
Pieces per pallet	31	31
pallets per container	5	22
Pieces per container	155	682

STC: irradiance 1000 W/m², module temperature 25°C, AM=1.5; Tolerance of Pmax is within +/- 3%.

Manufactured in China



High Efficiency

Advanced solar cell technology ensures the high module efficiency up to 20.7%.

Positive Power Selection

Module will generate power selection of 0 to +5W.

Strong Load Capacity

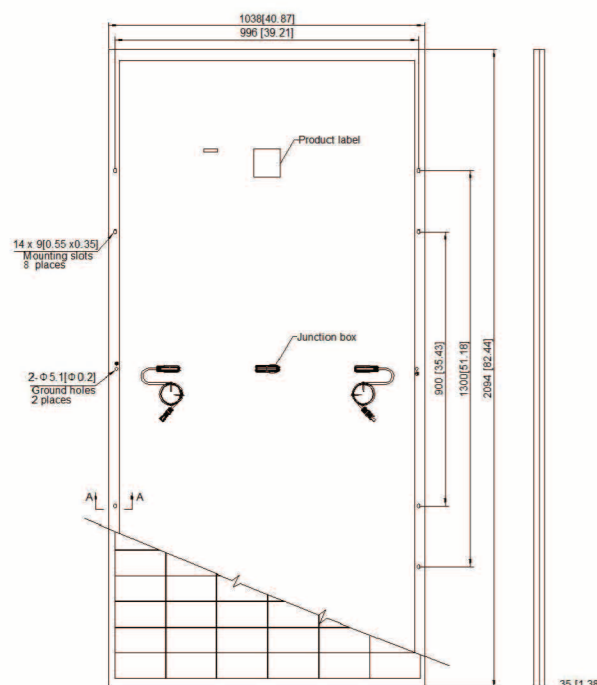
Module is capable to withstand 2400Pa wind loads and 5400Pa Snow loads.

Reliable quality

Module is manufactured in accordance with international quality standards ISO9001

Higher Weatherproof Rating

J-Box performs module with an environmental protection rating to IP68.



Current-Voltage & Power-Voltage Curve (GEP-AfMb450MH)

