

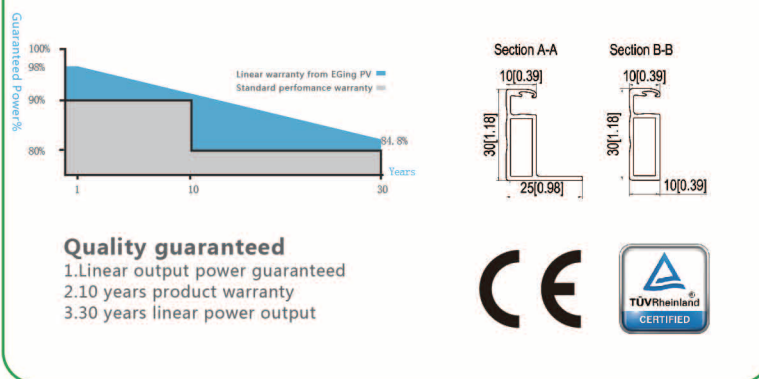


## ◆ Product Intro

### DfMb Series

430W~450W

Mono crystalline double glass solar module



**Quality guaranteed**  
 1.Linear output power guaranteed  
 2.10 years product warranty  
 3.30 years linear power output



#### 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.



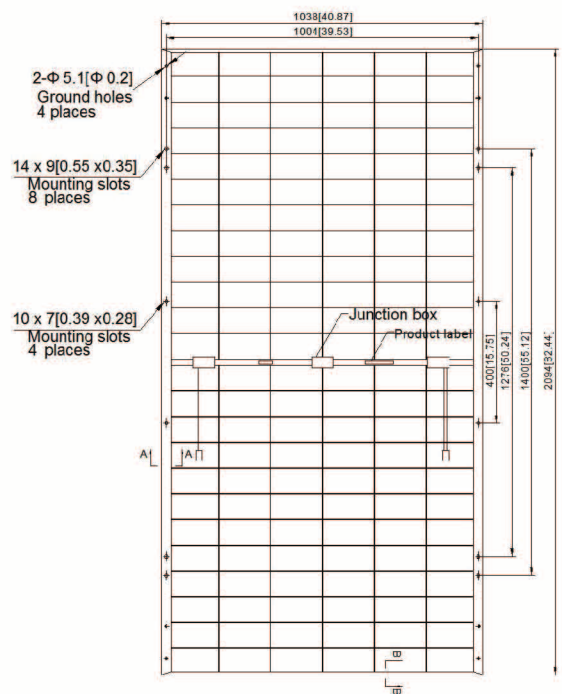
#### Reliable quality

Module is manufactured in accordance with international quality standards ISO9001

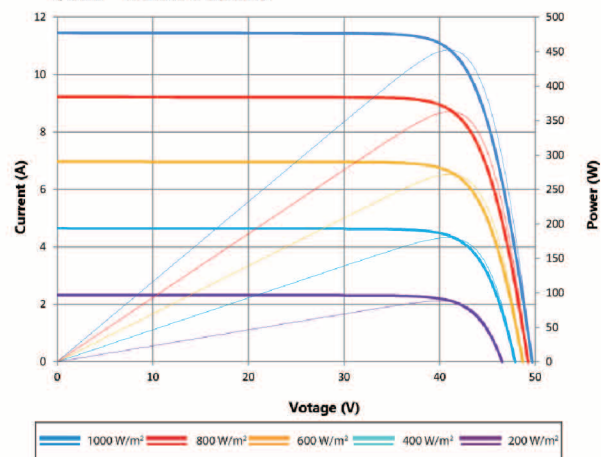


#### Higher Weatherproof Rating

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



### Current-Voltage & Power-Voltage Curve (GEP-DfMb445MH)



## ◆ MODULE CHARACTERISTICS

Models	GEP-DfMb445MH
Maximum Power (Pmax)	445W±3%
Positive Power Selection	0/+5W
Maximum Power Voltage (Vmp)	41.2V
Maximum Power Current(Imp)	10.81A
Open Circuit Voltage (Voc)	49.0V±3%
Short Circuit Current (Isc)	11.54A±3%
Module Efficiency	20.5%
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	2094×1038×30mm ( 82.44×40.87×1.18inches )
Weight	28.1Kg ( 61.95lbs)
Front Glass	2.0mm (0.08inches)front glass
Back Glass	2.0mm(0.08inches)back glass
Frame	Anodized aluminum alloy
Junction Box	IP68 rated
Cable	4mm² solar cable 300mm (11.81inches)Customized Length
Connector	PV-XT101.1/Z4S-abcde/JK-CABLE02
Double-sided factor	(70±5%)

## ◆ PACKING

	20GP	40HC	13.5m flatcar	17.5m flatcar
Pieces per pallet	35	35	35	35
pallets per container	5	22	18	28
Pieces per container	175	770	630	980

STC: irradiance 1000 W/m<sup>2</sup>, module temperature 25°C, AM=1.5;Tolerance of Pmax is within +/- 3%.

Manufactured in China