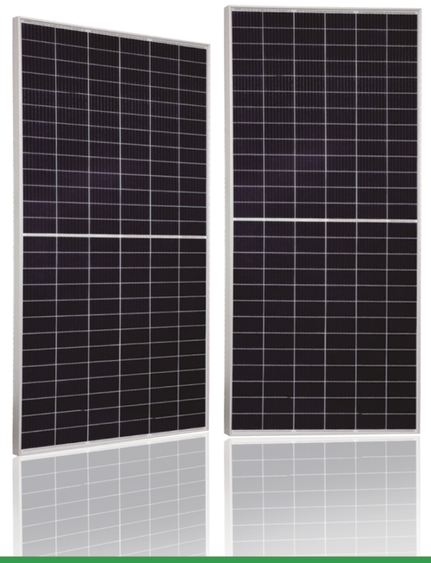
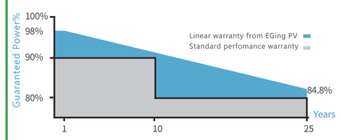
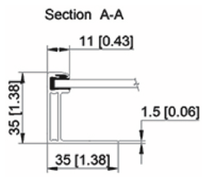


◆ Product Intro

APEX Series 570/575/580/585/590W

Monocrystalline Solar Module





Quality guaranteed

1.Linear output power guaranteed

2.10 years product warranty

3.25 years linear power output

High Efficiency

Advanced solar cell technology ensures the high module efficiency up to 21.3%.

Positive Tolerance

Module will generate tolerance of 0 to +5W.

Strong Load Capacity

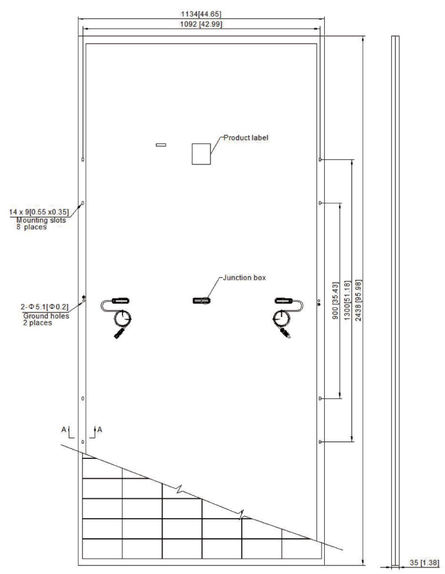
Module is capable to withstand 2400Pa wind loads and 5400Pa Snow loads.

Reliable quality

Module is manufactured in accordance with international quality standards ISO9001

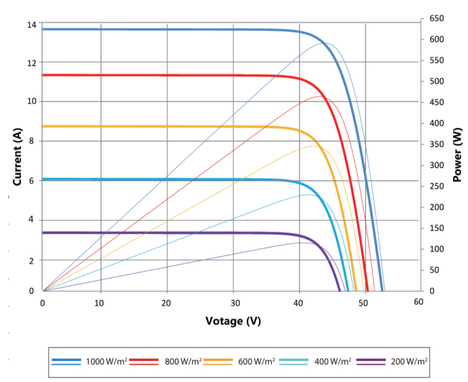
Higher Weatherproof Rating

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



Current-Voltage & Power-Voltage Curve

(GEP-FfMc590M)



JIANGSU SUN GROUP, Ltd | GEP Solar

◆ MODULE CHARACTERISTICS

(STC)	GEP-FfMc570M GEP-FfMc570MH	GEP-FfMc575M GEP-FfMc575MH	GEP-FfMc580M GEP-FfMc580MH	GEP-FfMc585M GEP-FfMc585MH	GEP-FfMc590M GEP-FfMc590MH
Maximum Power (Pmax)	570W	575W	580W	585W	590W
Tolerance of power	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
Maximum Power Voltage (Vmp)	44.7V	44.9V	45.1V	45.3V	45.5V
Maximum Power Current(Imp)	12.76A	12.81A	12.87A	12.92A	12.97A
Open Circuit Voltage (Voc)	53.0V	53.2V	53.4V	53.6V	53.8V
Short Circuit Current (Isc)	13.65A	13.7A	13.76A	13.81A	13.86A
Module Efficiency	20.6%	20.8%	21.0%	21.2%	21.3%
Operating module Temperature	- 40℃~ +85℃				
Maximum system(DC) Voltage	DC1000V/1500V(IEC)				
Maximum Series Fuse Rating	25A				
Nominal Module Operating Temperature	42±2℃				
Temperature Coefficients of Pmax	- 0.36%/℃				
Temperature Coefficients of Voc	- 0.304%/℃				
Temperature Coefficients of Isc	+ 0.050%/℃				

◆ MECHANICAL CHARACTERISTICS

Solar Cell	182×91mm 11BB Mono crystalline 182×91mm 11BB
Number of cells	156(6×26)
Dimensions	2438×1134×35mm (95.98×44.65×1.38 inches)
Weight	31Kg（68.34 lbs）
Front Glass	3.2mm (0.13 inches) front glass
Frame	Aanodized aluminum alloy
Junction Box	IP68 rated
Cable	4mm ² solar cable 300mm (11.81inches)Customized Length
Connector	MC4 PV-XT101.1/Z4S-abcde

◆ PACKING

	20GP	40HC
Pieces per pallet	31	31
pallets per container	4	16
Pieces per container	124	496

NOTE:

1.Design and specifications are subject to chane without prior notice.

2.Refer to the installation and operating manual or contact Green energy power Renewable for detailed information on approved installation and use of this product.