

OMEGA Max + Series Mono PERC Cell Module



25 Years Guarantee

GRADE
A
QUALITY

certificate



High Efficiency

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



Positive Tolerance

Module guarantees a positive -only power tolerance of 0 to +5w to bring extra benefit.



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.



Salt and Corrosion Resistant

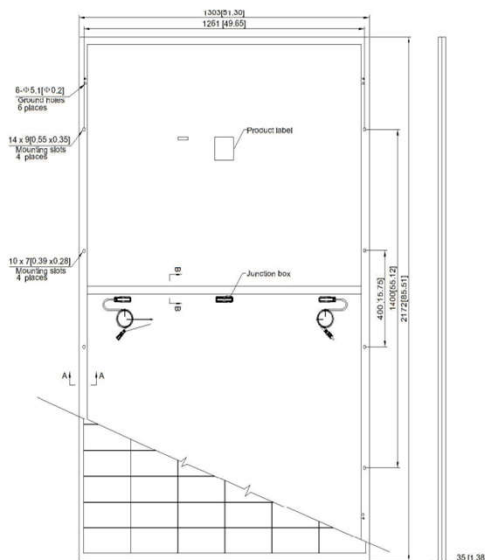
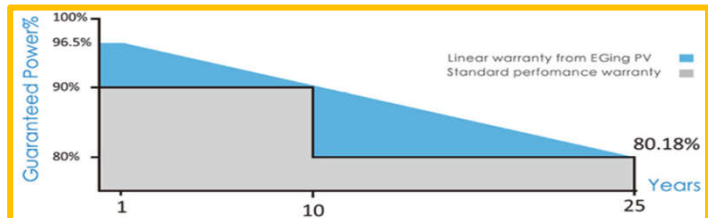
Highly Certified conform in higher salinity zone



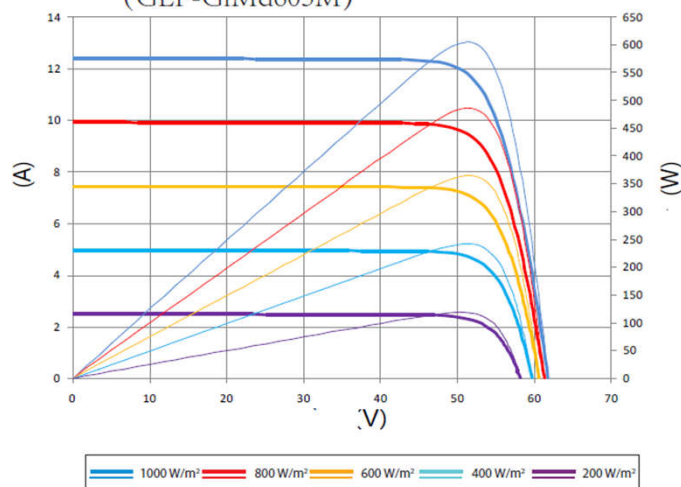
Anti PID Solar Technology

Highly PID resistant in larger humidity areas

585 / 590 / 595 / 600 / 605



Current-Voltage & Power-Voltage Curve
(GEP-GfMd605M)



Electrical Characteristics

(STC)	GEP-GfMd585M	GEP-GfMd590M	GEP-GfMd595M	GEP-GfMd600M	GEP-GfMd605M
	GEP-GfMd585MH	GEP-GfMd590MH	GEP-GfMd595MH	GEP-GfMd600MH	GEP-GfMd605MH
(Maximum Power (Pmax)	585W	590W	595W	600W	605W
Tolerance of power	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
Maximum Power Voltage (Vmp)	33.8V	34.0V	34.2V	34.4V	34.6V
Maximum Power Current (Imp)	17.31A	17.35A	17.40A	17.44A	17.49A
Open Circuit Voltage (Voc)	60.9V	41.1V	41.3V	41.5V	41.7V
Short Circuit Current (Isc)	18.37A	18.42A	18.47A	18.52A	18.57A
Module Efficiency	20.71%	20.9%	21.0%	21.2%	21.4%
Operating module Temperature	- 40°Cto +85°C				
Maximum system(DC) Voltage	DC1000V/1500V(IEC)				
Series Fuse Rating	20A				
NOCT*	45±2°C				
Temperature Coefficients of Pmax	- 0.36%/°C				
Temperature Coefficients of Voc	- 0.28%/°C				
Temperature Coefficients of Isc	+ 0.048%/°C				

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline 210×105mm - 12BB
Number of cells	120(6×20)
Dimensions	2172×1303×35mm
Weight	30.9Kg (68.13 lbs)
Front Glass	3.2mm (Monofacial)
Frame	Aanodized aluminum alloy
Junction Box	IP68 Protection rate Standard
Cable	4mm ² solarcable 300mm(11.81 inches)
Connector	MC4 PV-XT101.1/Z4S-abcde

PACKING CONFIGURATION

	20GP	40HC
Pieces per pallet	31	31
pallets per container	5	20
Pieces per container	155	620

NOTE:

1.Design and specifications are subject to change without based on customer's requirements.

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.