



485w~505w

G12 solar modules Zeus series Mono MBB perc large size half cut module

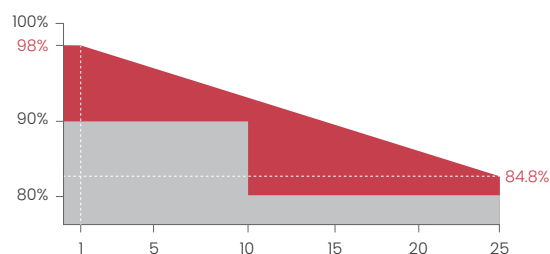
The Gaia Module strengthens the module density, greatly improves the power and efficiency. At the same time, it has the advantages of cost saving, good system adaptation. High reliability, environmental protection and so on.

MODULE CHARACTER

-  PID Resistance
-  Salt mist resistance/Ammonia resistance
/dust and hail resistance
-  Production process reliability test
-  0~+5W Positive Tolerance
-  Mono MBB half cut
-  Reduce BOS cost increase ROI
-  Non-destructive cutting

CERTIFICATION

IEC61215/IEC61730
ISO9001:Quality Management System
ISO14001:Environmental Management System
ISO45001:Occupational Health and Safety Management System



Linear performance warranty



Product warranty



Module Type	SR-50MAX485H		SR-50MAX490H		SR-50MAX495H		SR-50MAX500H		SR-50MAX505H	
Module Efficiency (%)	20.25		20.46		20.67		20.87		21.08	
Tolerance (W)	0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	485	367.16	490	370.94	495	374.73	500	378.51	505	382.30
Open Circuit Voltage Voc(V)	33.26	31.35	33.52	31.59	33.77	31.83	34.02	32.06	34.28	32.30
Short Circuit Current Isc(A)	18.67	15.04	18.72	15.08	18.76	15.11	18.81	15.16	18.86	15.19
Maximum Power Voltage Vm(V)	27.60	25.69	27.81	25.88	28.02	26.08	28.23	26.27	28.44	26.47
Maximum Power Current Im(A)	17.58	14.29	17.63	14.33	17.67	14.37	17.72	14.41	17.76	14.44
Cell Type (mm)	MBB-210×105mm(Mono-Crystalline Silicon)									
Number of Cells (Pcs)	100(10×10)									
Maximum System Voltage	DC1500									
Temp.Coeff.of Voc (%/°C)	-0.262									
Temp.Coeff.of Isc (%/°C)	0.042									
Temp.Coeff.of Pm (%/°C)	-0.362									
Operating Temperature (°C)	-40 to 85									
Nominal Operating Cell (°C) Temperature(NOCT)	43±2									
Max.Series Fuse (A)	30									
Pressure Bearing (Pa)	5400									
Wind Bearing (Pa)	2400									

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

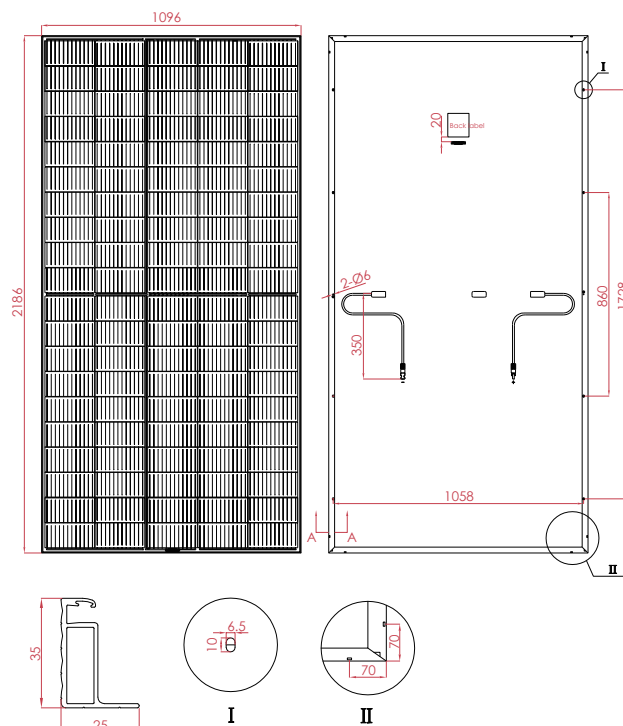
MATERIAL DETAILS

Frame	Anodized aluminum(black and white is optional)	Glass	3.2mm low-iron tempered suede glass
Cell	10x10pcs 210x105mm mono solar cell	Junction Box	IP≥68, TÜV & UL
Diode quantity	3	Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Net length of Cable	350mm or as customer's requirements		

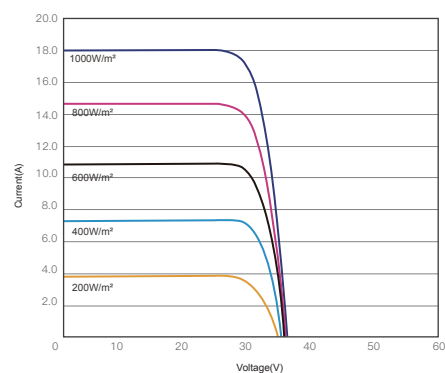
PACKING DETAILS

Dimension	2186×1096×35mm	Weight	23.5kg
Loading Capacity	640pcs/40HC	Packing	31pcs/pallet

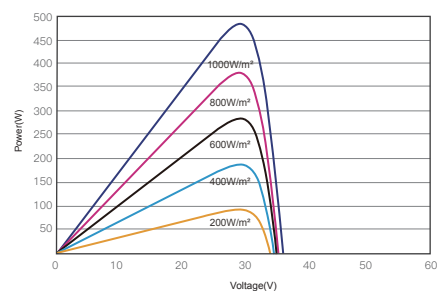
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(495W)



P-V CURVES OF PV MODULE(495W)