

585w~605w

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

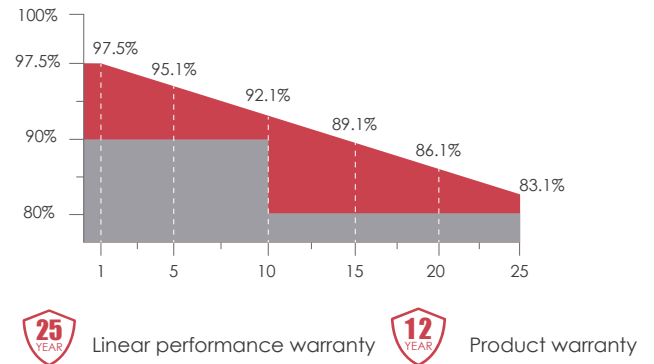
The Gaia Module strengthens the module density, greatly improves the power and efficiency. At the same time, it has the advantages of cost saving, good system adaptation. High reliability, environmental protection and so on.

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



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Module Type	SR-MAX585H		SR-MAX590H		SR-MAX595H		SR-MAX600H		SR-MAX605H	
Module Efficiency (%)	20.68		20.85		21.03		21.21		21.38	
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)	585	442.86	590	446.64	595	450.43	600	454.21	605	458
Open Circuit Voltage Voc(V)	40.72	38.38	40.98	38.62	41.23	38.86	41.48	39.10	41.74	39.33
Short Circuit Current Isc(A)	18.39	14.81	18.43	14.85	18.47	14.88	18.52	14.92	18.56	14.95
Maximum Power Voltage Vm(V)	33.79	31.45	34.00	31.64	34.21	31.84	34.42	32.03	34.63	32.23
Maximum Power Current Im(A)	17.32	14.08	17.36	14.11	17.40	14.15	17.44	14.18	17.48	14.21
Cell Type (mm)	MBB-210×105mm(Mono-Crystalline Silicon)									
Number of Cells (Pcs)	120(10×12)									
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 Temperature(NOCT) (°C)	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

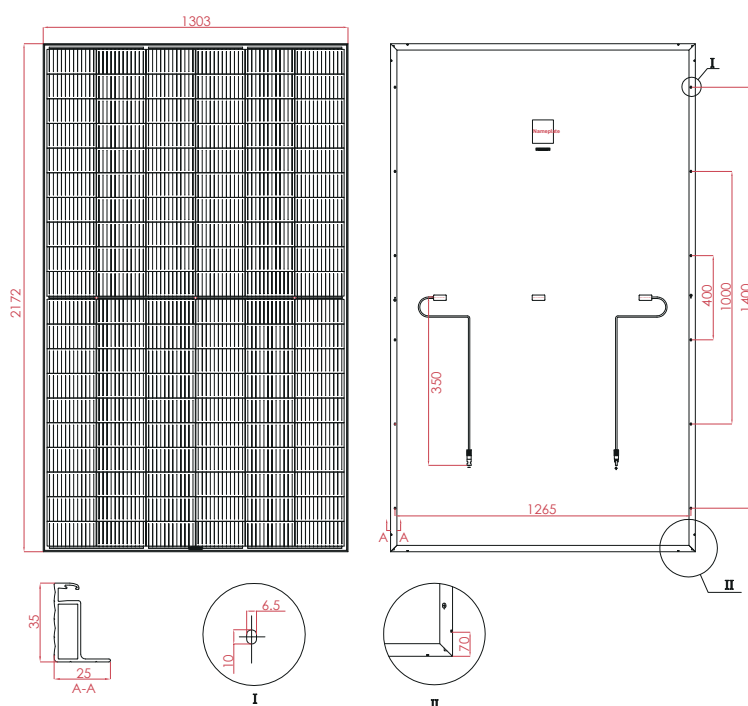
MATERIAL DETAILS

Frame	Anodized aluminum(black and white is optional)	Glass	3.2mm low-iron tempered suede glass
Cell	10x12pcs 210x105mm mono solar cell	Junction Box	IP≥68, TÜV & UL
Diode quantity	3	Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Cable length	350mm or as customer's requirements		

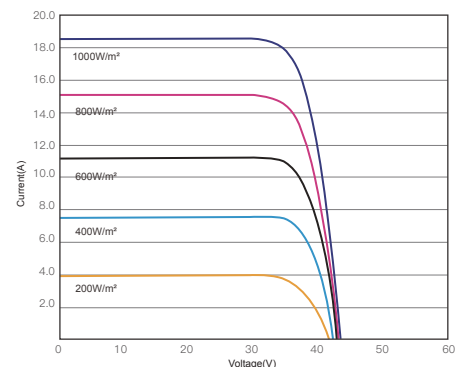
PACKING DETAILS

Dimension	2172×1303×35mm	Weight	30.5kg
Loading Capacity	558pcs/40HC	Packing	31pcs/pallet

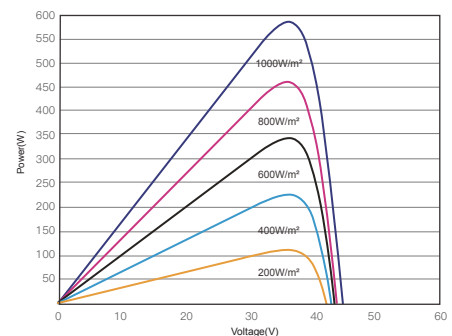
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(595W)



P-V CURVES OF PV MODULE(595W)