










# 385w~405w

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

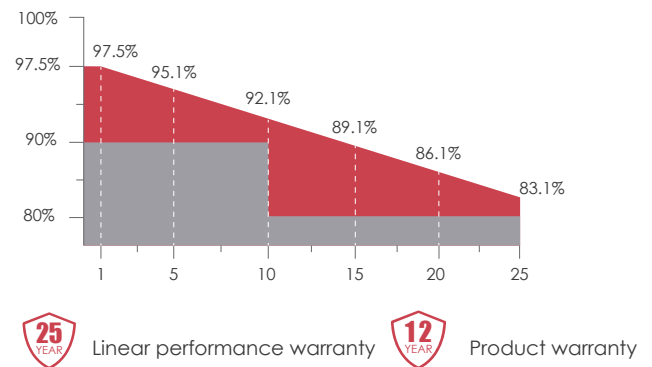
The Gaia Module strengthens the module density, greatly improves the power and efficiency. At the same time, it has the advantages of flexible installation, cost saving, good system adaptation. High reliability, easy transportation, environmental protection and so on.

## 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



## SUNRISE ENERGY CO., LTD

TEL: +86-519-81688389 E-mail: info@sunriseenergy.cn

ADD: No.20 Tongzi River West Road, Zhonglou Development Zone, Changzhou, Jiangsu



Module Type	SR-40MAX385H		SR-40MAX390H		SR-40MAX395H		SR-40MAX400H		SR-40MAX405H	
Module Efficiency (%)	19.96		20.22		20.48		20.74		21.00	
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)	385	291.45	390	295.24	395	299.02	400	302.81	405	306.6
Open Circuit Voltage Voc(V)	28.67	27.02	28.92	27.26	29.18	27.50	29.43	27.74	29.68	27.98
Short Circuit Current Isc(A)	17.19	13.85	17.26	13.91	17.33	13.96	17.40	14.02	17.47	14.07
Maximum Power Voltage Vm(V)	23.79	22.14	24.00	22.34	24.21	22.53	24.42	22.73	24.63	22.92
Maximum Power Current Im(A)	16.19	13.16	16.26	13.22	16.32	13.27	16.39	13.33	16.45	13.37
Cell Type (mm)	MBB-210×105mm(Mono-Crystalline Silicon)									
Number of Cells (Pcs)	80(10×8)									
Maximum System Voltage (V)	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/m<sup>2</sup>, Cell temperature 25°C, AM1.5  
 NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s

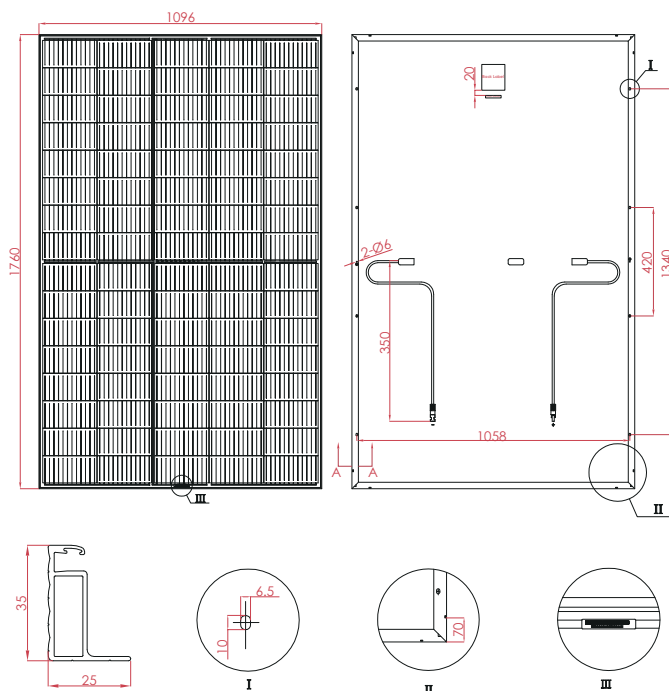
### MATERIAL DETAILS

Frame	Anodized aluminum(black and white is optional)	Glass	3.2mm low-iron tempered suede glass
Cell	10×8pcs 210×105mm mono solar cell	Junction Box	IP≥68,TÜV & UL
Diode quantity	3	Cable&Connector	4mm <sup>2</sup> , EVO2 or EVO2 compatible
Cable length	350mm or as customer's requirements		

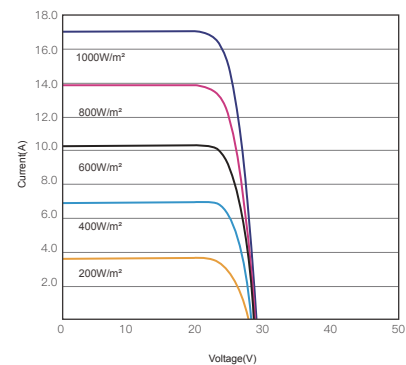
### PACKING DETAILS

Dimension	1760×1096×35mm	Weight	21.5kg
Loading Capacity	354 pcs/20'GP    832 pcs/40'HC	Packing	31pcs/pallet

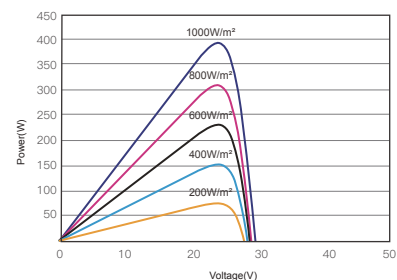
### ENGINEERING DRAWINGS



### IV CURVES



I-V CURVES OF PV MODULE(395W)



P-V CURVES OF PV MODULE(395W)