



395w~415w

G1 solar modules Power max series

Mono MBB perc large size half cut module

The modules adopt MBB, PERC cells and half-cut technology. The technology can reduce BOS cost for per wattage, at the same time, the half-cut technology can effectively reduce the heat spot risk of high power modules and show better power generation performance and reliability in system application.

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

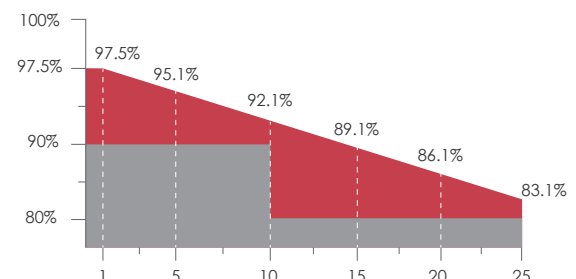
CERTIFICATION

IEC61215/IEC61730

ISO9001:Quality Management System

ISO14001:Environmental Management System

ISO45001:Occupational Health and Safety Management System



Linear performance warranty



Product warranty

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-M672395HL		SR-M672400HL		SR-M672405HL		SR-M672410HL		SR-M672415HL	
Module Efficiency	19.64		19.89		20.13		20.38		20.63	
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)	395	299	400	303	405	307	410	310.8	415	314.97
Open Circuit Voltage Voc(V)	49.54	48.24	49.89	48.58	50.3	48.98	50.71	49.38	51.11	49.77
Short Circuit Current Isc(A)	10.22	8.08	10.27	8.12	10.32	8.16	10.36	8.19	10.41	8.23
Maximum Power Voltage Vm(V)	41.44	39.34	41.73	39.61	42.07	39.94	42.41	40.26	42.75	40.59
Maximum Power Current Im(A)	9.54	7.59	9.59	7.63	9.63	7.66	9.67	7.69	9.71	7.73
Cell Type (mm)	158.75×79.375(9BB Mono-Crystalline Silicon)									
Number of Cells (Pcs)	144(6×24)									
Maximum System Voltage (V)	DC1000/DC1500									
Temp.Coeff.of Voc (%/°C)	-0.282									
Temp.Coeff.of Isc (%/°C)	0.041									
Temp.Coeff.of Pm (%/°C)	-0.387									
Operating Temperature (°C)	-40 to 85									
Nominal Operating Cell Temperature(NOCT) (°C)	45±2									
Max.Series Fuse (A)	15/20									
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 1 m/s

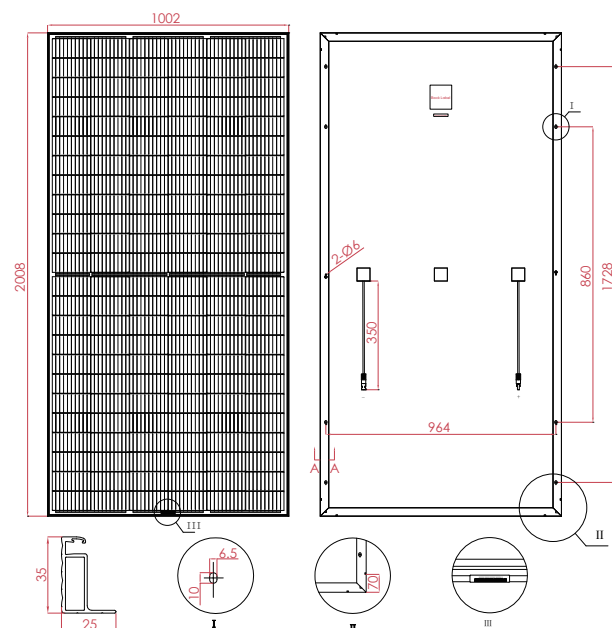
MATERIAL DETAILS

Frame	Anodized aluminum	Glass	3.2mm low-iron tempered suede glass
Cell	6×24 pcs 158.75x79.375mm mono solar cell	Junction Box	IP≥68,TÜV & UL
Diode quantity	3	Cable&Connector	4mm ² , MC4 or MC4 compatible 4mm ² , EVO2 or EVO2 compatible
Cable length	350mm or as customer's requirements		

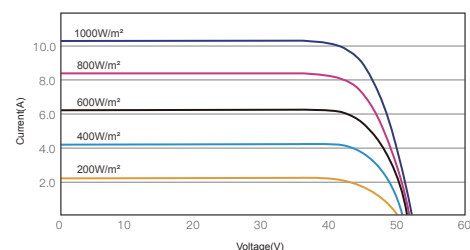
PACKING DETAILS

Dimension	2008×1002×35mm	Weight	22.4kg
Loading Capacity	305 pcs / 20'GP 748 pcs / 40'HC	Packing	31pcs/pallet

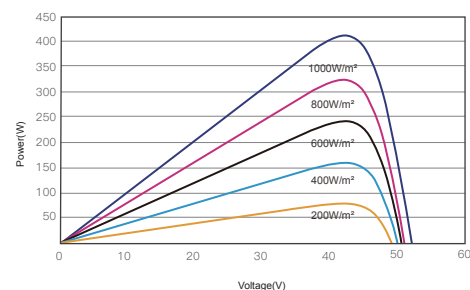
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(405W)



P-V CURVES OF PV MODULE(405W)