

产品介绍》

AfMa系列

单晶硅光伏组件

Mono crystalline
Solar Module

410/405/400/395/390W



高转换率 High Efficiency

采用先进的制造工艺的太阳能电池，组件转换效率最高可达20.4%
Advanced solar cell technology ensures, The high module efficiency up to 20.4%.



正公差保证 Positive Tolerance

0~+5W的组件功率保证
Module guarantees a positive -only power tolerance of 0 to +5w to bring extra benefit.



出色的承载能力 Strong Load Capacity

组件通过了高达2400Pa风载以及5400Pa雪载的认证检测
Module is capable to withstand 2400Pa wind loads and 5400Pa Snow loads.



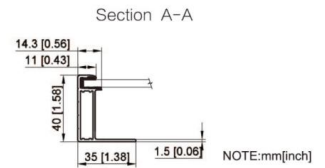
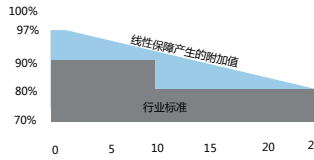
可靠的产品质量 Reliable quality

产品制造符合ISO9001国际质量管理体系
Module is manufactured in accordance with international quality standards ISO9001



优异的防护性能 Higher Weatherproof Rating

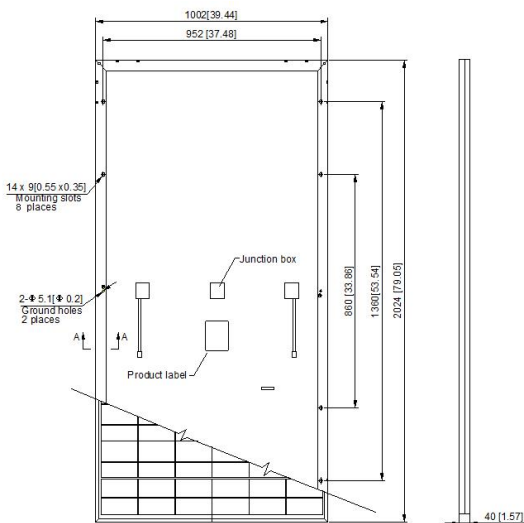
接线盒提供高达IP68的防护等级
J-Box performs module with an environmental protection rating to IP68.



线性输出功率保证 Linear output power guaranteed

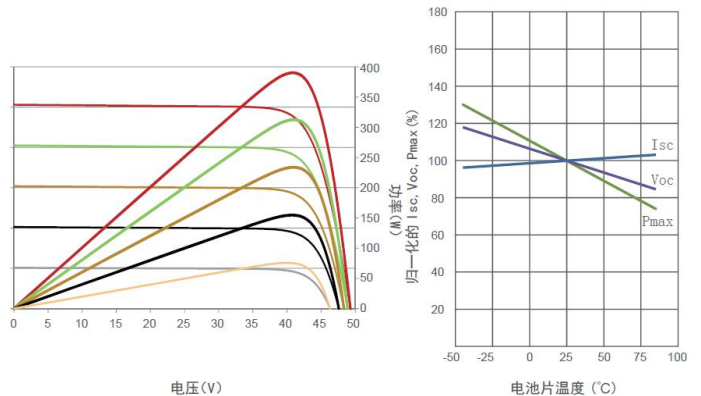
10年产品质保 10 year product warranty

25年线性输出功率保证 25years linear power output



电流-电压 & 功率-电压 曲线

Current-Voltage & Power-Voltage Curve
(GEP-Af395M)



电气参数 Electrical Characteristics

标准测试条件 (STC)	GEP-Af410Ma	GEP-Af405Ma	GEP-Af400Ma	GEP-Af395Ma	GEP-Af390Ma
	GEP-Af410MaH	GEP-Af405MaH	GEP-Af400MaH	GEP-Af395MaH	GEP-Af390MaH
最大功率 (Pmax) Maximum Power (Pmax)	410W	405W	400W	395W	390W
功率公差 Tolerance of power	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
最大功率点的工作电压(Vmp) Maximum Power Voltage(Vmp)	42.3V	42.0V	41.7V	41.4V	41.1V
最大功率点的工作电流(Imp) Maximum Power Current(Imp)	9.69A	9.65A	9.60A	9.55A	9.49A
开路电压(Voc) Open Circuit Voltage(Voc)	50.4V	50.1V	49.8V	49.5V	49.3V
短路电流(Isc) Short Circuit Current (Isc)	10.60A	10.48A	10.36A	10.23A	10.12A
组件效率 Module Efficiency	20.4%	20.1%	19.9%	19.6%	19.4%
组件工作温度 Operating module Temperature	- 40°Cto +85°C				
最大系统电压 Maximum system(DC) Voltage	1000V/1500V(IEC)				
最大保险丝额定电流 Series Fuse Rating	20A				
额定电池工作温度(NOCT)* NOCT*	45±2°C				
最大功率温度系数 Temperature Coefficients of Pmax	- 0.36%/°C				
开路电压温度系数 Temperature Coefficients of Voc	- 0.28%/°C				
短路电流温度系数 Temperature Coefficients of Isc	+ 0.048%/°C				

机械参数 MECHANICAL CHARACTERISTICS

电池类型 Solar Cell	单晶158.75×79.375mm 5主栅线 Mono crystalline 158.75×79.375mm 5BB				
电池数量 Number of cells	144 (6×24)				
组件尺寸 Dimensions	2024×1002×40mm (79.05×39.44×1.57英寸 inches)				
重量 Weight	22.5Kg (49.6 磅lbs)				
玻璃 Front Glass	3.2mm (0.13英寸 inches) 钢化玻璃 front glass				
边框 Frame	阳极氧化铝合金 Anodized aluminum alloy				
接线盒 Junction Box	IP68防护等级 rated				
电缆 Cable	4mm ² 光伏电缆 solarcable 300mm(11.81英寸 inches)				
接插头 Connector	MC4 PV-XT101.1/Z4S-abcde				

包装方式 PACKING CONFIGURATION

	20GP	40GP
单托组件数量 Pieces per pallet	26	20
托盘数 pallets per container	10	24
组件总数 Pieces per container	260	624

注意 NOTE:

- 产品设计或具体规范参数如有更改，恕不另行通知。
1.Design and specifications are subject to chane without prior notice.
- 请参阅组件安装手册或联系我们以保障产品的正确安装与使用。
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.