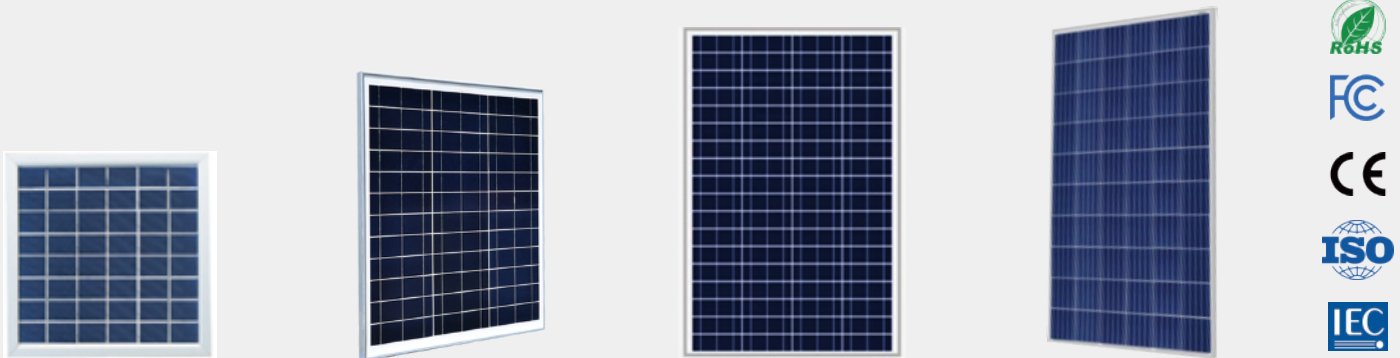


Xinpuguang@_Rigid Series - Polycrystalline Solar Module



Why Choose Xinpuguang@_Rigid Series - Polycrystalline Solar Module?

Xinpuguang@_Rigid Series - Polycrystalline Solar Module is a key component in establishing an off-grid solar energy system. Use high-performance polycrystalline cells. Bypass diodes are pre-installed in the junction box to protect the solar panel and reduce power drop due to shadows. Tempered glass, aluminum frame, EVA, and TPT with excellent weather resistance play a good role in protecting the solar panel so that the module has a service life of more than 25 years. Solar panels are certified by FCC, RoHS, CE, ISO, IEC to ensure safety, reliability, high quality, energy-saving, and environmental protection.

为什么选择Xinpuguang@_Rigid系列-多晶太阳能组件?

Xinpuguang@_Rigid系列-多晶太阳能组件是建立离网太阳能系统的关键部件。使用高性能多晶电池。在接线盒内预装旁路二极管，可保护太阳能板，减少因阴影引起的功率下降。钢化玻璃、铝边框、耐候性优异的EVA、TPT，对太阳能板起到很好的保护，使组件具备25年以上的使用寿命。太阳能电池板通过FCC，RoHS，CE，ISO，IEC认证，以确保安全可靠，品质优良，并且节能环保。

☆ Features 特征

Durable & Waterproof

The junction box is IP65 waterproof. High-transparency, low-iron tempered glass, and corrosion-resistant aluminum frame, high-quality EVA, TPT, provide strong protection for panel structure and extended outdoor use time.

耐用防水

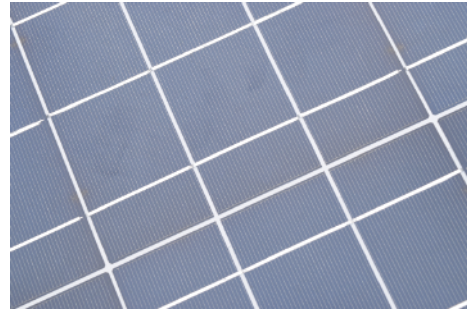
接线盒IP65防水等级。高透明、低铁钢化玻璃和耐腐蚀铝制框架、高质量EVA、TPT，为面板结构和延长户外使用时间提供强有力的保护。



High quality

Excellent electrical properties. Components are encapsulated using high-quality raw materials.

高质量
电性能优异。使用高质量原材料封装。



Great Adaptability

Compatible with different mounting systems such as Z-brackets, Pole Mounts, and Tilt Mounts. Easy Installation. Pre-drilled holes on the back of the panel allow you to quickly install solar panels.

适应性强
兼容Z型支架、立杆支架、倾斜支架等不同的安装系统。安装简单。面板背面的预钻孔可让您快速安装太阳能电池板。

☆ Application 应用

Xinpuguang@_Rigid Series - Polycrystalline Solar Module Can be used for multiple Scenes.A variety of scenarios for RV, car, boat, portable power station, outdoor generators, fences, security cameras, greenhouse, camper, lawnmower, trailer, camper, home, etc.

Xinpuguang@_Rigid系列-多晶太阳能组件可用于多种场景。房车、汽车、船、便携式电站、户外发电机、围栏、安全摄像头、温室、露营车、割草机、拖车、露营车、家庭、等等。



Polycrystalline Glass solar panel

多晶玻璃太阳能板

Electrical parameter | STC 电性能参数 (5W~15W)

Rated Power 功率输出	Pmax(W)	5	5	10	15
Model No. 产品型号	/	PG-GSP5W-1	PG-GSP5W-2	PG-GSP10W	PG-GSP15W
Cell type 电池片类型	/	156 Poly 4*9	156 Poly 1*10	156 Poly	156 Poly 2*18
Operating Voltage 最大功率点的工作电压	Vmp(V)	18	5	12	18
Operating Current 最大功率点的工作电流	Imp(A)	0.28	1	0.83	0.83
Open Circuit Voltage 开路电压	Voc(V)	21.6	6	14.4	21.6
Short Circuit Current 短路电流	Isc(A)	0.31	1.1	0.92	0.92
Performance Tolerance 功率公差	(%)	±5%	±5%	±5%	±5%
Boundary dimension 外形尺寸	mm	250*200*15	230*180*15	300*260*18	350*350*18

Electrical parameter | STC 电性能参数 (20W~100W)

Rated Power 功率输出	Pmax(W)	20	25	50	100
Model No. 产品型号	/	PG-GSP20W	PG-GSP25W	PG-GSP50W	PG-GSP100W
Cell type 电池片类型	/	156 Poly 2*18	156 Poly 2*18	156 Poly 4*9	156 Poly 4*18
Operating Voltage 最大功率点的工作电压	Vmp(V)	18	18	18	18
Operating Current 最大功率点的工作电流	Imp(A)	1.1	1.28	2.78	5.56
Open Circuit Voltage 开路电压	Voc(V)	21.6	21.6	21.6	21.6
Short Circuit Current 短路电流	Isc(A)	1.22	1.44	3.06	6.12
Performance Tolerance 功率公差	(%)	±5%	±5%	±5%	±5%
Boundary dimension 外形尺寸	mm	470*350*25	540*350*25	520*665*25	1010*665*25

Electrical parameter | STC 电性能参数 (150W~280W)

Rated Power 功率输出	Pmax(W)	135	150	180	190
Model No. 产品型号	/	PG-GSP150W	PG-GSP200W	PG-GSP250W	PG-GSP280W
Cell type 电池片类型	/	156 Poly 4*9	156 Poly 6*8	156 Poly 6*10	156 Poly 6*12
Operating Voltage 最大功率点的工作电压	Vmp(V)	18	24	30	36
Operating Current 最大功率点的工作电流	Imp(A)	8.33	8.33	8.33	7.78
Open Circuit Voltage 开路电压	Voc(V)	21.6	28.8	36	43.2
Short Circuit Current 短路电流	Isc(A)	9.17	9.16	9.16	8.56
Performance Tolerance 功率公差	(%)	±5%	±5%	±5%	±5%
Boundary dimension 外形尺寸	mm	1460*665*25	1300*980*25	1615*985*30	1940*990*35

Electrical parameter | STC 电性能参数 (300W~400W)

Rated Power 功率输出	Pmax(W)	300	350	380	400
Model No. 产品型号	/	PG-GSP300W	PG-GSP350W	PG-GSP380W	PG-GSP400W
Cell type 电池片类型	/	156 Poly 6*12	156 Poly 8*12	156 Poly 8*12	156 Poly 8*12
Operating Voltage 最大功率点的工作电压	Vmp(V)	36	48	48	48
Operating Current 最大功率点的工作电流	Imp(A)	7.78	7.30	7.92	8.34
Open Circuit Voltage 开路电压	Voc(V)	43.2	57.6	57.6	57.6
Short Circuit Current 短路电流	Isc(A)	8.56	8.02	8.71	9.17
Performance Tolerance 功率公差	(%)	±5%	±5%	±5%	±5%
Boundary dimension 外形尺寸	mm	1940*990*35	1730*1300*35	1940*1300*40	1940*1300*40

*It's a part of the specifications and models of the solar panels. We can design and provide products according to the customer's demand.

*以上为我们公司的一部分太阳能板的规格及型号。我们可以根据客户要求设计及定制。

Structural performance 结构性能

Solar cell 太阳能电池片	156×156 Polycrystalline
Surface 面板	tempered glass
EVA(EVA)	Through the Rhine test 通过莱茵测试
Junction Box 接线盒/稳压盒	MC4Junction Box / Voltage regulator box
Output Interface 输出接口	USB /DC/MC4

Temperature characteristics 温度特性

Standard Test Conditions 电池标称工作温度 (NOTC)	45±2°C
Short Circuit Current Temp 温度系数 (Sic)	+0.050%/°C
Open Circuit Voltage Temp 温度系数 (Vic)	-0.30%/°C
Max. Power Temp 温度系数 (Plax)	-0.39%/°C

Limit parameter 极限参数

Operating Temperature 工作温度	-40~+85°C
Max.System Voltage 最大系统电压	1000V DC

* 标准测试条件：（大气质量 AM1.5，辐照度 1000W/m²，电池温度25°C）下的测量值。

* Standard test conditions measured values (irradiance 1000 W/m², cell temperature 25 °C, atmospheric mass AM1.5).

Complete quality management system and product certification

完整的质量管理体系与产品认证

ISO 9001:2015: ISO 质量管理体系

ISO 14001: 2015: ISO 环境管理体系

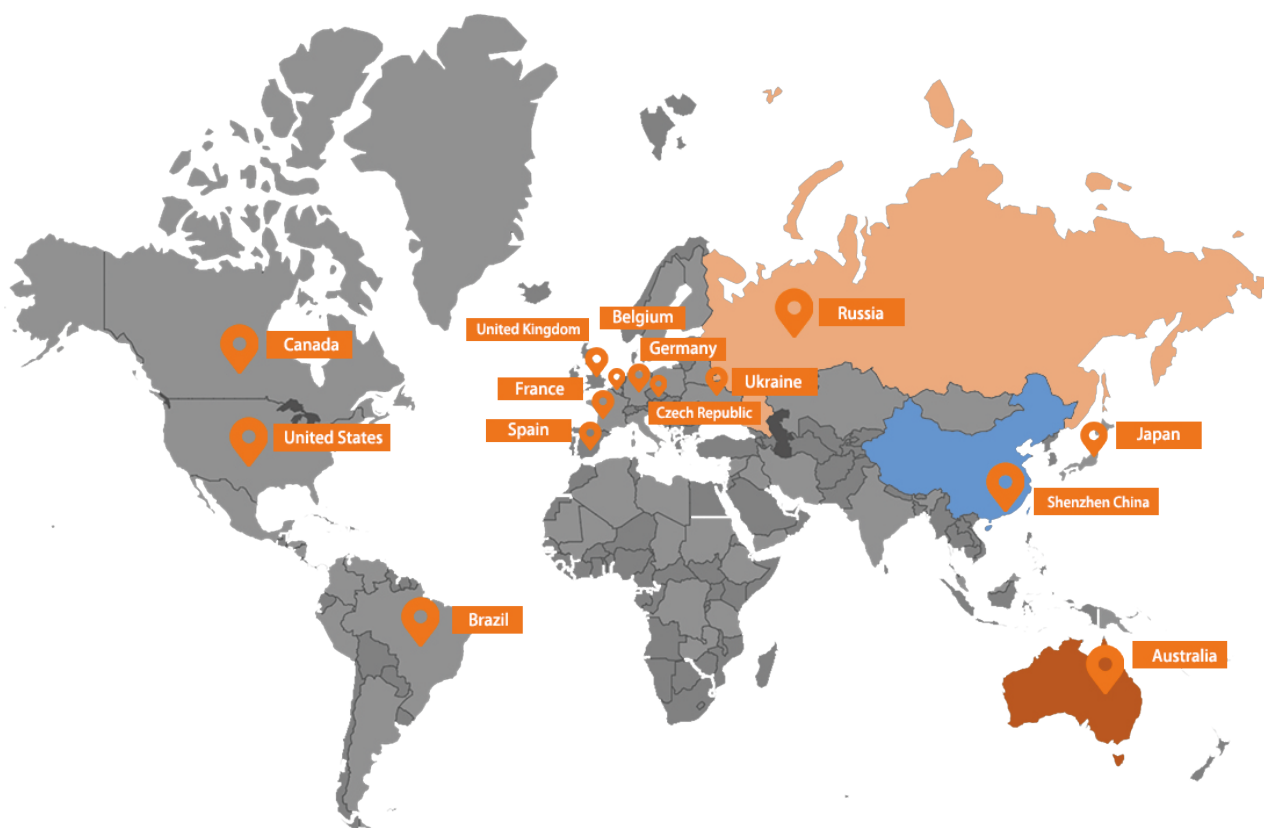
RoHS EBO1909058-V150 (EU)2015/ 863 限值要求

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Global Markets Distribution



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