



Ollin Pv 72 半片 9 栅单晶

72 half 9 gate Mono crystal

- **72 半片 9 栅单晶**
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- **输出功率: 435-455W**
Power output range : 435-455w
- **最高效率: 20.8%**
Maximum efficiency : 20.8%
- **功率公差: 0~ + 5W**
Positive power tolerance : 0~ + 5w

高功率 HIGH POWER

- 应用了多主栅(MBB)半片技术, 功率高达 455W, 效率 20.8%
Up to 455W front power and 20.8% module efficiency with half-cut and MBB(Multi Busbar) technology
- 更高的组件功率可有效降低系统 BOS 成本
Lower resistance of half-cut ensure high power bringing more BOS savings

高可靠性 HIGH REUABIUTY

- 通过电池工艺优化及材料管控提升抗 PID 性能
Ensured PID resistance through cell process and module material control
- 抗盐雾氨气, 防火等级 A
Resistant to salt, acid and ammonia, Fire-proof A
- 通过正面 5400 帕, 背面 2400 帕机械载荷测试
Mechanical performance : Upto5400Pa positive load and 2400Pa negative load

高发电量 HIGH ENERGY GENERATION

- 经第三方验证具有优秀的 IAm 及弱光响应性能
Excellent I AM and low light performance validated by 3rd party with cell process and module material optimization
- 更低的温度系数(-0.36%)及更低的工作温度带来更多的发电量
Lower temp coefficient(-0.36%) and N MOT bring more energy leading to lower L COE
- 半片技术带来更强的抗阴影遮挡能力
Better anti-shading performance and lower operating temperature

全面的产品和体系证书/Comprehensive Products and system certificates

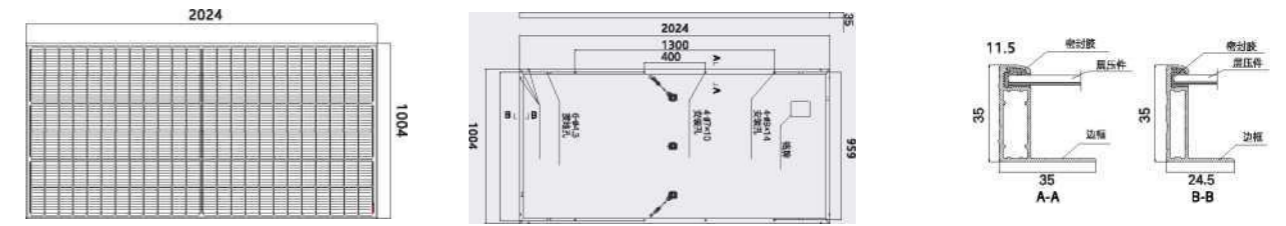
IEC 61215/IEC 61730/UL 1703/IEC 61701/IEC 62716

ISO 9001 :质量管理体系/Quality management system

ISO 14001 :环境管理体系/Environmental management system

ISO 14064 :温室气体排放核查/Greenhouse gases emissions verification

OHSAS 18001 :职业健康安全管理体系/Occupational health and safety management system



► 电气参数(标准测试条件下)/electrical data(stc)

最大功率-PMAX(Wp)/Peak Power Watts-PMAX(Wp) *	435	440	445	450	455
功率公差-PwAx(W)/Power Output Tolerance-PMAX(W)	0~ + 5				
最大功率点的工作电压-VM PP(V)/Maximum Power Voltage-VM PP(V)	40.5	40.7	40.8	410	41.2
最大功率点的工作电流-IMPP(A)/Maximum Power Current-IMPP(A)	10.74	10.82	10.90	10.98	11.06
开路电压-Voc(V)/Open Circuit Voltage-Voc(V)	49.0	49.2	49.4	49.6	49.8
短路电流-Isc(A)/Short Circuit Current-Isc(A)	11.31	11.39	11.46	11.53	11.61
组件效率 nm(%) /Module Efficiency nm(%)	19.9	20.1	20.4	20.6	20.8

标准测试条件(大气质量 AM 1.5,辐照度 1000W/m²、电池温度 25°C) 下的测量值
STC : Irradiance 1000W/m², Cell Temperature 25°C, AirMass AM 1.5.*Measuring tolerance : 3%.

► 电气参数(电池额定工作温度条件下)/electrical data(n mot)

最大功率-PMAX(Wp)/Peak Power Watts-PMAX(Wp) *	329	333	336	340	344
最大功率工作电压-VM PP(V)/Maximum Power Voltage-VM PP(V)	38.2	38.4	38.5	38.7	38.9
最大功率工作电流-IMPP(A)/Maximum Power Current-IMPP(A)	8.61	8.68	8.73	8.80	8.86
开路电压-Voc(V)/Open Circuit Voltage-Voc(V)	46.3	46.4	46.6	46.8	47.0
短路电流-Isc(A)/Short Circuit Current-Isc(A)	9.11	9.17	9.23	9.28	9.35

NMOT :辐照度 800W/m²,环境温度 20°C,风速 1m/s / NMOT : Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

► 机械参数/mechanical data

电池片类型/Solar Cells	单晶/Mono crystalline	边框/Frame	35mm 铝边框/35mm Anodized Aluminium Alloy
电池片数量/Cell Orientation	一组 144 片(6x24)/144 cells(6x24)	接线盒/J-Box	防护等级 IP68/IP 68 rated
组件尺寸/Module Dimensions	2024x1004x35mm	电缆/Cables	4.0mm², 光伏专用电缆 Photo voltaic Technology Cable 4.0mm²(0.006 inches), 竖装: 负极 140mm/正极 285 mm Portrait: N140mm/P285mm(5.51/11.22inches) 横装: 负极 1200mm/正极 1200mm Landscape : N 1200mm/P1200mm(47.24/47.24inches)
重量/Weight	24.0kg	连接器/Connector	MC4
玻璃/Glass	3.2mm, 高透、AR 涂层热强化玻璃 3.2mm High Transmission, AR Coated Heat Strengthened Glass		
封装材料/Encapsulant Material	EVA		
背板/Back sheet	白色/White		

► 温度额定值/Temperature ratings

NMOT(额定电池工作温度) NMOT(Nominal Module Operating Temperature)	41°C(±3°C)
最大功率(PMAX)温度系数 Temperature Coefficient of PMAX	-0.36%/°C
开路电压(Voc)温度系数 Temperature Coefficient of Voc	-0.26%/°C
短路电流(Isc)温度系数 Temperature Coefficient of Isc	0.04%/°C

► 极限参数/Maximum ratings

工作温度 Operational Temperature	-40~+85°C
最大系统电压 Maximum System Voltage	1500VDC(IEC) 1500VDC(UL)
最大保险丝额定电流 Max Series Fuse Rating	20A

► 包装方式/Packaging configuration

每箱容量: 30 片
Modules per box: 30 pieces

装箱装载容量: 660 片
Modules per 40'container: 660 pieces

(禁止并联两路或更多组串在同一路汇箱熔丝中)
(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)