



Ollin Pv 60 半片 9 栅单晶

60 half 9 gate Mono crystal

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• 输出功率: 590-605W
Power output range : 590-605w

• 最高效率: 21.4%
Maximum efficiency : 21.4%

• 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 605W, 效率 21.4%
Upto 605 W front power and 21.4% module efficiency with half-cut 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

高发电量 HIGH ENERGY GENERATION

- 通过正面 5400 帕, 背面 2400 帕机械载荷测试
Mechanical performance : Upto 5400Pa positive load and 2400Pa negative load
- 经第三方验证具有优秀的 I Am 及弱光响应性能
Excellent I AM and lowlight 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

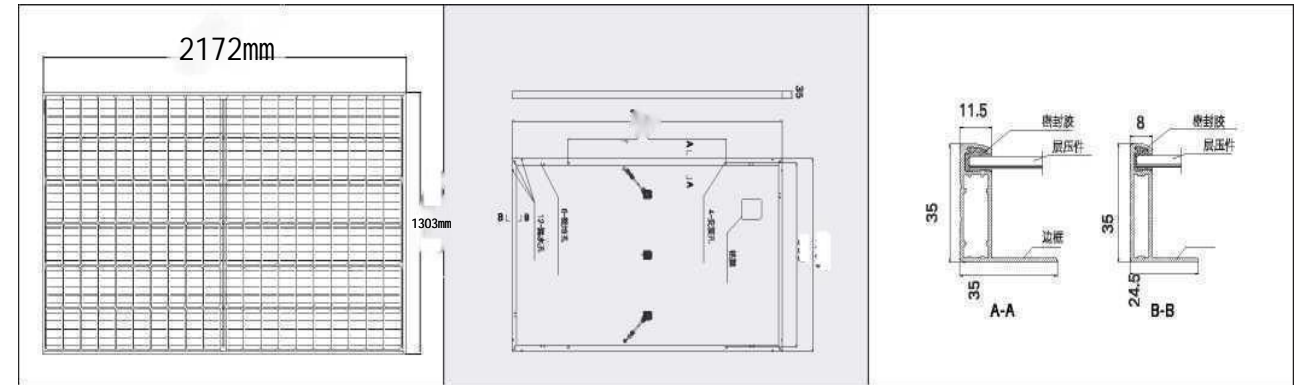
IEC 61215/IEC 61730/UL 1703/IEC 61701/IEC 62716

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) *	590	595	600	605
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)	34	34.2	34.2	34.4
最大功率点的工作电流-IMPP(A)/Maximum Power Current-IMPP(A)	17.34	17.4	17.44	17.49
开路电压-Voc(V)/Open Circuit Voltage-Voc(V)	41.1	41.3	41.5	41.7
短路电流-Isc(A)/Short Circuit Current-Isc(A)	18.42	18.47	18.52	18.57
组件效率 nm(%) /Module Efficiency nm(%)	20.85	21.02	21.2	21.4

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) *	440	444	448	451
最大功率工作电压-VM PP(V)/Maximum Power Voltage-VM PP(V)	31.65	31.84	32	32.2
最大功率工作电流-IMPP(A)/Maximum Power Current-IMPP(A)	13.9	13.94	14	14.06
开路电压-Voc(V)/Open Circuit Voltage-Voc(V)	37.98	38.2	38.4	38.64
短路电流-Isc(A)/Short Circuit Current-Isc(A)	14.76	14.8	14.86	14.88

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

▶ 机械参数/mechanical data

电池片类型/Solar Cells	单晶/Mono crystalline	边框/Frame	35mm Anodized Aluminium Alloy
电池片数量/Cell Orientation	一组 120 片 (6x20)/120 cells(6x20)	接线盒/J-Box	防护等级 IP68/IP 68 rated
组件尺寸/Module Dimensions	2172x1303x35mm	电缆/Cables	4.0mm ² , 光伏专用电缆 Photo voltaic Technology Cable 4.0mm ² (0.006 inches), 竖装: 负极 350mm/正极 350 mm Portrait: N140mm/P285mm(5.51/11.22inches)
重量/Weight	30.0kg	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

(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)

▶ 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: 65 片
Modules per box: 65 pieces

装箱装载容量: 578 片 (9 pallets)
Modules per 40'container: 578 pieces