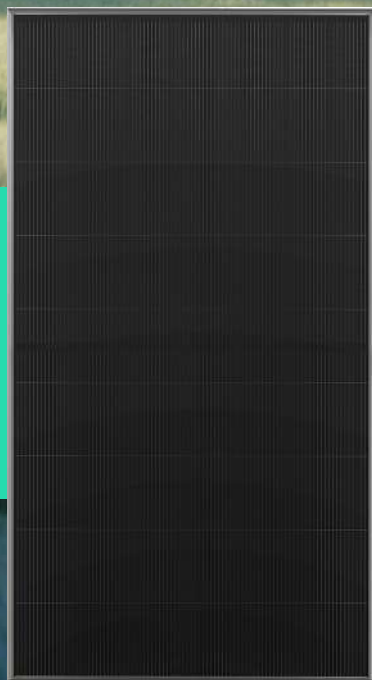


 **聚石化学**
POLYROCKS



钙钛矿光伏组件
Standard perovskite PV modules

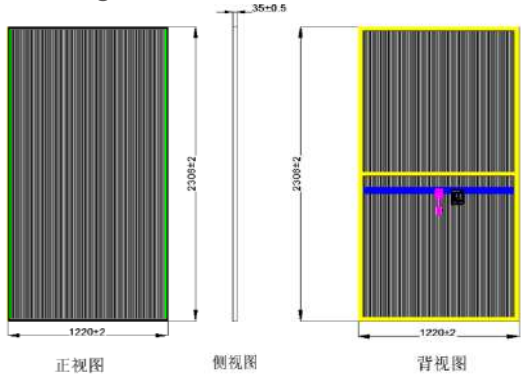
JS-DJ-01 430-500W

钙钛矿光伏组件

Standard perovskite PV modules

产品图例 (单位: 厘米)

Drawings (Unit: mm)



机械参数

Mechanical Parameters

产品尺寸 Product Dimensions	1220*2306mm±2mm
产品厚度 Product Thickness	35mm±0.2mm
组件质量 Module Weight	41.5±1Kg
IP防护等级 IP Protection Rating	IP68
连接器型号 Connector mode	05-8, UTX, EVO2, RHC2xyzu (兼容MC4) (Compatible with MC4)
电缆长度 Cable Length	800mm
芯片玻璃 PVSK glass	3.2mm TC0 glass
背板玻璃 Back glass	2.0mm钢化玻璃 2.0mm Tempered glass
电池类型 PV type	钙钛矿电池 PVSK cell
封装 Encapsulation	PIB&POE
设计标准 Design standard	IEC 61215, IEC61730

电性能参数

Electrical Performance Parameters (STC)

产品型号 Model | JS-DJ

STC (标准测试条件): 辐照度1000W/m², 电池温度25°C, 大气质量AM1.5.
STC (Standard Test Conditions): Irradiance 1000W/m², cell temperature 25°C, air mass AM1.5.

组件 PV Module		JS-DJ-01-430	JS-DJ-01-440	JS-DJ-01-450	JS-DJ-01-460	JS-DJ-01-470	JS-DJ-01-480	JS-DJ-01-490	JS-DJ-01-500
额定功率 Rate Power	Pmpp (w)	430	440	450	460	470	480	490	500
容许误差 Deviation	W	0-5W							
电压 Voltage	Vmpp (V)	136.9	138.6	140.3	142.1	143.8	145.5	147.2	148.9
电流 Current	Impp (A)	3.15	3.17	3.21	3.24	3.27	3.31	3.33	3.36
开路电压 Open circuit voltage	Voc (V)	166.3	166.6	166.9	167.1	167.4	167.7	168	168.3
短路电流 Short circuit current	Isc (A)	3.52	3.53	3.54	3.55	3.56	3.58	3.59	3.60
最大系统电压 Max system voltage	Vsys (V)	1500							
效率 Efficiency	%	15.4	15.7	16.1	16.4	16.8	17.1	17.5	17.9
熔丝电流 Fuse rating	A	5							

说明: 以上电性能参数与实际产品参数有细微差异, 以产品实际测试功率为准。

Note: The above electrical performance parameters are slightly different from the actual test power, so please are subject to the actual tests

应用范围

Scope of application

温度范围 Temperature range	-40°C/+85°C
最大载荷 (静态机械载荷) Maximum load (static mechanical load)	±2400Pa
冰雹测试 Hail test	Passed
防火等级 Fire rating	Class C
抗风压 Resistant to wind pressure	2400Pa
防护等级 Protecting rating	IP68

温度系数

Temperature Coefficients

模块 (NMOT) 工作温度 Module (NMOT) Operating Temperature	42.3±2°C
最大功率 (Pmax) 温度系数 Maximum Power (Pmax) Temperature Coefficient	-0.003%/°C
开路电压 (Voc) 温度系数 Open Circuit Voltage (Voc) Temperature Coefficient	-0.001%/°C
短路电流 (Isc) 温度系数 Short Circuit Current (Isc) Temperature Coefficient	+0.000%/°C