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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**CIE Power  
CIE-H5C1-72-DA2  
CIE-H5C1-72 -DA2-390**

Also available on the web at  
[EnergyPal.com/cie-power-solar-panels/cie-h5c1-72-da2-390](http://EnergyPal.com/cie-power-solar-panels/cie-h5c1-72-da2-390)

## 高效异质结双面组件

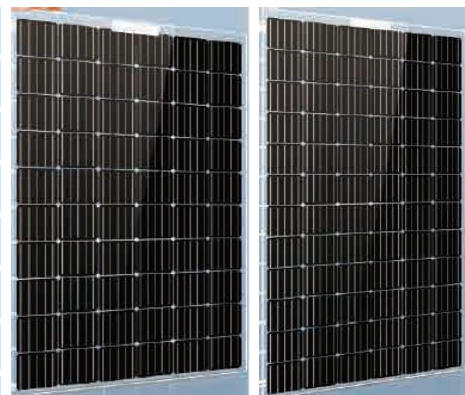
High-efficiency HJT bifacial solar module

CIE-H5C1-60-DA2

CIE-H5C1-72-DA2

### MECHANICAL PARAMETERS (结构参数)

Cell (mm) (电池类型)	HJT 156.75 × 156.75	HJT 156.75 × 156.75
Weight(kg) (重量)	20	23.3
Dimensions(L*W*H)(mm) (长*宽*厚)	1662*990*5	1980*990*5
Cable Length (mm) (接线缆长)	450+450	450+450
Cable cross section size(mm <sup>2</sup> ) (接线盒线缆面积直径)	4	4
No.of cells and connections (电池片数量)	60 (10*6)	72 (12*6)
No.of diodes (接线盒二级管数)	3	3
Packing configuration (每托包装数)	38 pcs./Pallet	38 pcs./Pallet



CIE-H5C1-60-DA2

CIE-H5C1-72-DA2

### ELECTRICAL PARAMETERS (STC) (电学性能)

TYPE (类别/规格)	CIE-H5C1-60-DA2-300	CIE-H5C1-60-DA2-305	CIE-H5C1-60-DA2-310	CIE-H5C1-60-DA2-315	CIE-H5C1-60-DA2-320	CIE-H5C1-60-DA2-325	CIE-H5C1-60-DA2-330	CIE-H5C1-60-DA2-335
Rated Maximum Power at STC(标测下最大功率 W)	300	305	310	315	320	325	330	335
Rated rear maximum power at STC (背面功率 W)	270	274.5	279	283.5	288	292.5	297	301.5
Rated comp maximum power at STC (综合功率 W)	327	332.45	337.9	343.35	348.8	354.25	359.7	365.15
Open Circuit Voltage(Voc/V)(开路电压)	44.1	44.2	44.3	44.4	44.5	44.6	44.65	44.69
Maximum Power Voltage (Vmp/V)(最大工作电压)	37	37.1	37.3	37.5	37.7	37.9	38.2	38.4
Short Circuit Current (Isc/A)(短路电流)	8.7	8.8	8.9	8.98	9.06	9.14	9.28	9.38
Maximum Power Current (Imp/A)(最大工作电流)	8.12	8.23	8.32	8.4	8.48	8.56	8.66	8.73
Module Efficiency [%](转换效率)	18.2	18.5	18.8	19.2	19.5	19.8	20.06	20.36
Output Tolerance(W)(额定功率输出公差)	0 ~ +5							
α Isc (%/K) (短路电流系数)	0.04							
β Voc (%/K) (开路电压系数)	-0.262							
γ Pmp (%/K) (最大功率系数)	-0.27							
TYPE (类别/规格)	CIE-H5C1-72-DA2-365	CIE-H5C1-72-DA2-370	CIE-H5C1-72-DA2-375	CIE-H5C1-72-DA2-380	CIE-H5C1-72-DA2-385	CIE-H5C1-72-DA2-390	CIE-H5C1-72-DA2-395	CIE-H5C1-72-DA2-400
Rated Maximum Power at STC(标测下最大功率 W)	365	370	375	380	385	390	395	400
Rated rear maximum power at STC (背面功率 W)	328.5	333	337.5	342	346.5	351	355.5	360
Rated comp maximum power at STC (综合功率 W)	397.85	403.3	408.75	414.2	419.65	425.1	430.55	436
Open Circuit Voltage(Voc/V)(开路电压)	52.6	52.8	52.9	53.1	53.2	53.4	53.5	53.57
Maximum Power Voltage (Vmp/V)(最大工作电压)	44.2	44.4	44.6	44.8	45.0	45.1	45.4	45.67
Short Circuit Current (Isc/A)(短路电流)	8.9	8.95	9.05	9.13	9.17	9.2	9.24	9.31
Maximum Power Current (Imp/A)(最大工作电流)	8.26	8.33	8.41	8.49	8.56	8.64	8.70	8.76
Module Efficiency [%](转换效率)	18.8	19.0	19.1	19.4	19.6	19.9	20.15	20.41
Output Tolerance(W)(额定功率输出公差)	0 ~ +5							
α Isc (%/K) (短路电流系数)	0.04							
β Voc (%/K) (开路电压系数)	-0.262							
γ Pmp (%/K) (最大功率系数)	-0.27							

STC:( Air Mass 1.5,Irradiance 1000W/ m<sup>2</sup>,Module Temperature 25°C)

## ADVANTAGES OF DOUBLE-GLASS PV MODULES (产品优势)

### 1. 超强抗PID性能 High resistance to PID

采用抗PID电池和封装技术,无铝边框设计,无需接地,从根本上杜绝PID现象的产生。  
Advanced PID resistant cell and sealing technology, frameless design and no requirement for grounding provide excellent resistance to PID.

### 2. 优良抗隐裂性能,无蜗牛纹隐患 Low risk of microcrack and snail trail

异质结双面电池的双层玻璃结构增强组件抗隐裂能力  
Double-glass of HJT structure ensures extremely low risk of cell microcrack during module transportation and installation.

### 3. 优异耐高温,抗风沙,抗盐雾性能 Excellent high temperature resistance, anti-wind sand, anti-salt spray performance.

无背板材料确保组件在苛刻的环境中高效长期稳定的工作  
Unique PV module structure and reliable quality delivers outstanding sustainability in harsh environment such as desert, farm and coastline.

### 4. 优异抗风雪能力 Excellent wind and snow load capacity

### 5. 优异的防火性能 Excellent fireproofing, Class A fireproof rating

### 6. 更高的发电效益 Higher power output

同样装机容量,异质结双玻组件发电量更高,年功率衰减率<0.2%。  
More electricity gain from HJT double glass solar panel.  
Annual power attenuation rate <0.2%

### 7. 低廉的运维成本 Low operation and maintenance Cost

无边框设计,减少积雪积灰,易于清洗管理,运维成本低。  
Frameless design reduce snow accumulation ash, easy to clean management, operation maintenance cost low.

### 8. 灵活满足透光需求 Tailored for transmitting light need

玻璃增加透光率,合理电池排布,满足组件透光需求。  
Flexible solar cell lay out and transparent glass back sheet will satisfy different application demand.

### 9. 更长功率质保期 Longer power output warranty

长达35年的线性功率保证  
Provides 35-year power output warranty.

## GUARANTEE (质量保证)

35-year limited product quality warranty.

35年产品功率质保。

Limited performance warranty: 20years at 96% of the minimal rated power output, 35 years at 93% of the minimal rated power output.

寿命周期内的功率保证: 使用20年最小功率达96%, 使用35年最小功率达93%。

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## DECREATION OF HJT MODULES (异质结组件的衰减)

通过14年电站跟踪测试,异质结组件平均发电无衰减,即使在有环境影响衰减的年份中,其发电量衰减<<0.1%。

The average power generation of HJT modules is not attenuated by 14 years of power station tracking test. Even in the year when the environmental impact, its power generation attenuated <<0.1%.



## WORKING CONDITIONS (工作范围)

Maximum System Voltage (最大系统电压)	1500VDC(IEC)/1000VDC(UL)
Operating Temp. (工作温度)	-40°C ~ +85°C
Maximum Series Fuse (最大保险丝额定电流)	15A
Max. Wind Load (最大抗风压)	2400Pa
Max. Snow Load (最大抗雪压)	5400Pa
NOCT (额定电流工作温度)	43 ± 2°C
Application Class (光伏板应用等级)	Class A
Grounding conductivity (电阻率)	<0.1 Ω

