

## 产品系列 Products Series

# DMS N-TYPE 72HL4-(V)

565-585 Watt

DMS N-TYPE 72HL4- (V) 565-585瓦

高效单晶硅单面半片太阳能组件

High-efficiency monocrystalline silicon single-sided half-chip solar module

N-Type

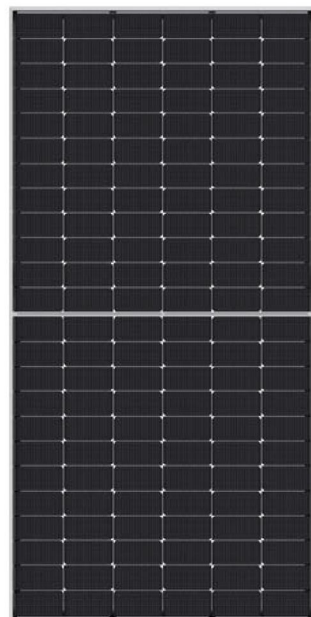
0~+3%正公差 0~+3%Positive tolerance

IEC61215(2016),IEC61730(2016)

ISO9001 : 2015 : 质量管理体系 quality management system

ISO14001 : 2015 : 环境管理体系 Environmental management system

ISO45001 : 2018 : 职业健康安全管理体系 Occupational health and safety management system



## Component characteristics 组件特性



### 多主栅技术 Multi-gate technology

更优的光线利用率和电流收集能力，有效提升产品功率输出和可靠性。

Better light utilization and current collection capacity, effectively improving product power output and reliability



### 抗 PID 保证 Anti-PID guarantee

通过电池生产技术优化及材料管控将 PID 现象造成的衰减几率降至最小。

Minimize the attenuation probability caused by PID phenomenon through battery production technology optimization and material control



### 严酷环境的适应性

### Adaptability to harsh environment

第三方认证通过高盐雾及高氨气腐蚀测试。

Third-party certification passed the corrosion test of high salt spray and high ammonia gas



### HOT 2.0 技术 HOT2.0 technology

使用 HOT 2.0 技术的 N 型组件具有更佳可靠性以及更低 LID/LETID 衰减。

N-type components using HOT2.0 technology have better reliability and lower LID/LETID attenuation



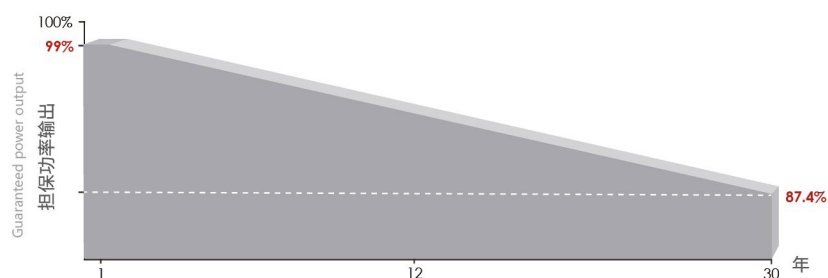
### 载荷能力 Load capacity

整体组件通过 2400Pa 的风载荷及 5400Pa 的雪载荷认证。

The whole assembly has passed the certification of 2400Pa wind load and 5400Pa snow load



## Industry-leading linear warranty 业内领先的线性质保



**12** 年材料工艺质保 **30** 年线性质保

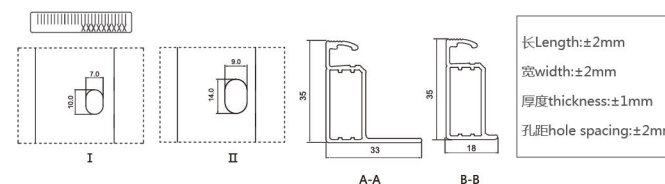
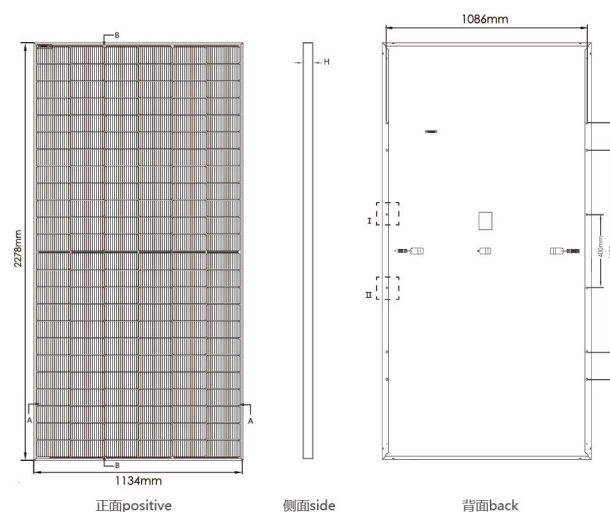
12-year material and process warranty 30-year linear warranty

优异质保承诺30年功率质保

**0.4%** 线性功率衰减

Excellent warranty commitment 30 years power warrant 0.4% linear power attenuation

## Assembly drawing 装配图



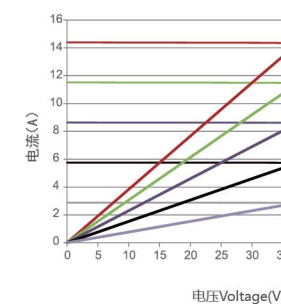
### Packaging standard 包装标准

平板车运输装车量(车型:高低板-车总长17.5米,高板长度3.5-4.5米)  
Transportation and loading capacity of flat car (model: high and low plate-the total length of the car is 17.5 meters, and the length of the high plate is 3.5-4.5 meters)

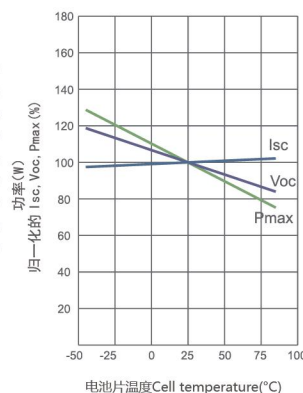
每托尺寸(mm)2308x1120x1249 31块/托,30托/车,930块/车  
Each pallet size (mm) 2308x1120x1249 31 pieces/pallet, 30 pallets/vehicle, 930 pieces/vehicle

## Diagram 曲线图

电流电压及功率电压曲线(575W)  
Current voltage and power voltage curve



Isc, Voc, Pmax的温度曲线  
Temperature curve of Isc, Voc and Pmax



### Structural parameters 结构参数

电池片类型Cell type	N型单晶硅电池片 N-type monocrystalline silicon cell
半片电池片数目Cell type	144(2×72)
组件尺寸Number of half cells	2278×1134×35mm
组件重量Component size	28kg
上表面玻璃材质 Upper surface glass material	3.2 mm,高透镀膜玻璃,低铁钢化玻璃,压花 3.2mm, high permeability coated glass, low iron fully tempered glass, embossing
边框Frame	阳极氧化铝合金 Anodized aluminum alloy
接线盒Junction box	防护等级IP68 Protection grade IP68
输出导线Output wire	TUV 1x4.0mm <sup>2</sup> 导线长度: (+):300mm,(-):200mm;或定制 Wire length: (+): 300mm (-): 200mm: or customized

## Electrical performance parameters 电性能参数

Component model组件型号	JKM565N-72HL4		JKM570N-72HL4		JKM575N-72HL4		JKM580N-72HL4		JKM585N-72HL4	
	JKM565N-72HL4-V	JKM570N-72HL4-V	JKM575N-72HL4-V	JKM580N-72HL4-V	JKM585N-72HL4-V	JKM585N-72HL4-V	JKM585N-72HL4-V	JKM585N-72HL4-V	JKM585N-72HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power最大功率(Pmax)	565Wp	425Wp	570Wp	429Wp	575Wp	432Wp	580Wp	436Wp	585Wp	440Wp
Optimal working voltage最佳工作电压(mp)	41.92V	39.38V	42.07V	39.51V	42.22V	39.60V	42.37V	39.69V	42.52V	39.81V
Optimal working current最佳工作电流(mp)	13.48A	10.79A	13.55A	10.85A	13.62A	10.92A	13.69A	10.99A	13.76A	11.05A
Open circuit voltage开路电压(Voc)	50.60V	48.06V	50.74V	48.20V	50.88V	48.33V	51.02V	48.46V	51.16V	48.60V
Short circuit current短路电流(sc)	14.23A	11.49A	14.31A	11.55A	14.39A	11.62A	14.47A	11.68A	14.55A	11.75A
Component efficiency组件效率(%)	21.87%		22.07%		22.26%		22.45%		21.65%	
Operating temperature range工作温度范围(°C)	-40°C~+85°C									
Maximum system voltage最大系统电压	1000/1500VDC (IEC)									
Maximum rated fuse current最大额定熔丝电流	25A									
Output power tolerance输出功率公差	0~+3%									
Temperature coefficient of maximum power 最大功率的温度系数(Pmax)	-0.30%/°C									
Temperature coefficient of open circuit voltage 开路电压的温度系数(voc)	-0.25%/°C									
Temperature coefficient of short-circuit current 短路电流(sc)的温度系数(sc)	0.046%/°C									
Nominal battery operating temperature 名义电池工作温度(NocT)	45±2°C									

STC: 光照强度 1000W/m<sup>2</sup>  
Light intensity

电池温度: 25°C  
Battery temperature

大气质量=1.5  
Air quality

NOCT: 光照强度 800W/m<sup>2</sup>  
Light intensity

环境温度: 20°C  
Ambient temperature

大气质量=1.5  
Air quality

风速 1m/s  
wind speed

\* 功率测量误差+/-3%  
Power measurement error+/-3%