

# ANDROMEDA 2.0

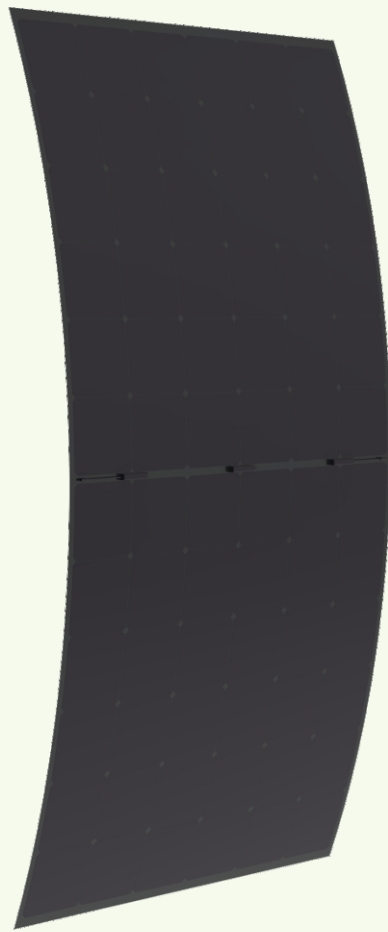
## Flexible Module SPICN6(LFL)-72/IH

415W|420W



### 产品特性 FEATURES

- 0~+5W功率公差  
0~+5W Power Tolerance
- IBC 技术无正面栅线，更好受光  
IBC technology no busbar on front side to block
- 低失配损失  
Low mismatch loss
- 10年的材料及工艺质保  
10-year material and workmanship warranty
- 优异的弱光性能  
Excellent Low Light Performance
- 低至3kg/m<sup>2</sup>重量，仅3mm厚  
3kg/m<sup>2</sup> weight and 3mm thickness
- 25年线性功率质保  
25-year linear power warranty
- 无电致诱导衰减及光致衰减  
Anti-PID and ZERO LID
- 优异的功率温度系数  
Excellent Temperature Coefficient



IEC 61215  
IEC 61730  
Regular Production  
Surveillance  
www.tuv.com  
ID 141902643



### 国家电投集团

国家电投集团在2023年财富世界500强中排名中位列第262位，是一家大型的综合能源企业，在全球范围内持有包括水电、火电、核电、光伏、风电等资产，总计超过200GW，其中光伏电站持有量超过68GW(截至2023年上半年)，连续多年全球第一。

### About SPIC Group

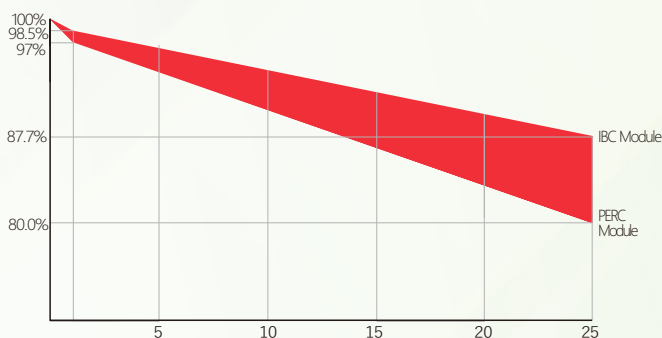
State Power Investment Corporation (SPIC)- FORTUNE GLOBAL 500 company, ranking 262nd in 2023, one of the integrated energy group in China that holds assets of hydropower, thermal power, nuclear power and new energy simultaneously. Hold and operate over 68GW photovoltaic projects, ranking first in the world (As of end 2023H1).



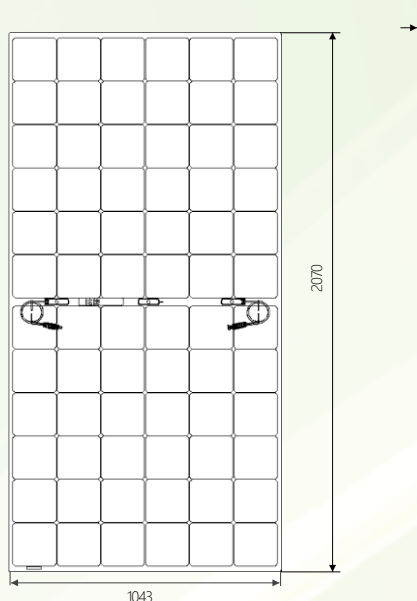
## 电性能参数 Electrical Parameters(STC\*)

组件型号 Module Type	SPICN6(LFL)-72-415/IH	SPICN6(LFL)-72-420/IH
最大额定功率 Maximum Power (Pmax/W)	415	420
最大功率电压 Maximum Power Voltage (Vmpp/V)	42.7	43.1
最大功率电流 Maximum Power Current (Impp/A)	9.72	9.75
开路电压 Open Circuit Voltage (Voc/V)	49.9	50.3
短路电流 Short Circuit Current (Isc/A)	10.6	10.67
组件效率 Module Efficiency	19.2%	19.5%

## 附加价值 Additional Value



## 组件尺寸 Dimensions(Units:mm)



## 机械参数 Mechanical Parameters

电池类型 Cell Type	单晶 IBC 166x83mm (半片) Mono-crystalline IBC 166x83mm(Half-Cell)
电池数量 No. of Cells	144(12x12) (Or Custom Design)
接线盒 Junction Box	防护等级 IP68 IP68 Rated
缆线 Cables	TUV1x4mm <sup>2</sup> , 正、负极长300mm (或定制设计) TUV 1x4mm <sup>2</sup> , 300mm (Or Custom Design)
封装材料 Encapsulation	背板 (白色/黑色) Backsheet (White/Black)
连接器 Connector	MC4兼容 MC4 Compatible
组件尺寸 Dimension	2070x1043x3mm (Or Custom Design)
组件重量 Weight	6±0.5kg

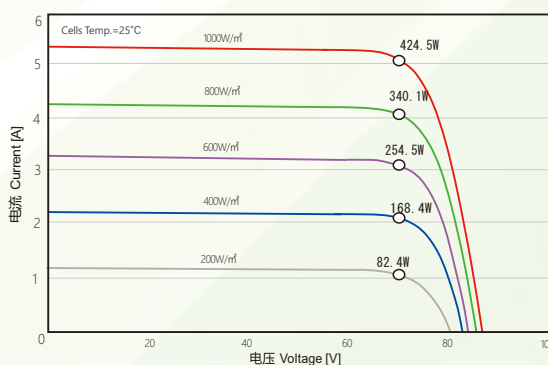
## 运行条件 Operating Conditions

最大系统电压 Maximum System Voltage	1000V DC (IEC)
最大额定电流 Maximum Rated Current	20A
运行温度 Operational Temperature	-40~+85°C
正面机械载荷 Mechanical Test Load (Front)	5400Pa
背面机械载荷 Mechanical Test Load (Rear)	2400Pa

## 温度系数 Temperature Characteristics (STC)

Pmax	%/°C	-0.290
Voc	%/°C	-0.246
Isc	%/°C	+0.046

## 电流-电压曲线 I-V Curves(420W)



## 包装信息 Packaging Configuration

每托组件数 No. of Modules Per Pallet	EA	62
40ft高柜包含托数 No. of Pallets Per 40ft HQ container	EA	20
40ft高柜包含组件数 No. of Modules Per 40ft HQ container	EA	1240



青海黄河上游水电开发有限责任公司西宁太阳能电力分公司  
QINGHAI HUANGHE HYDROPOWER DEVELOPMENT CO., LTD. XINING SOLAR POWER BRANCH  
青海省西宁市城东区金硅路4号  
No.4 Jingui Road, Chengdong District, Xining City, Qinghai Province, China  
spicsolar.com  
spicsolar@spic.com.cn

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