

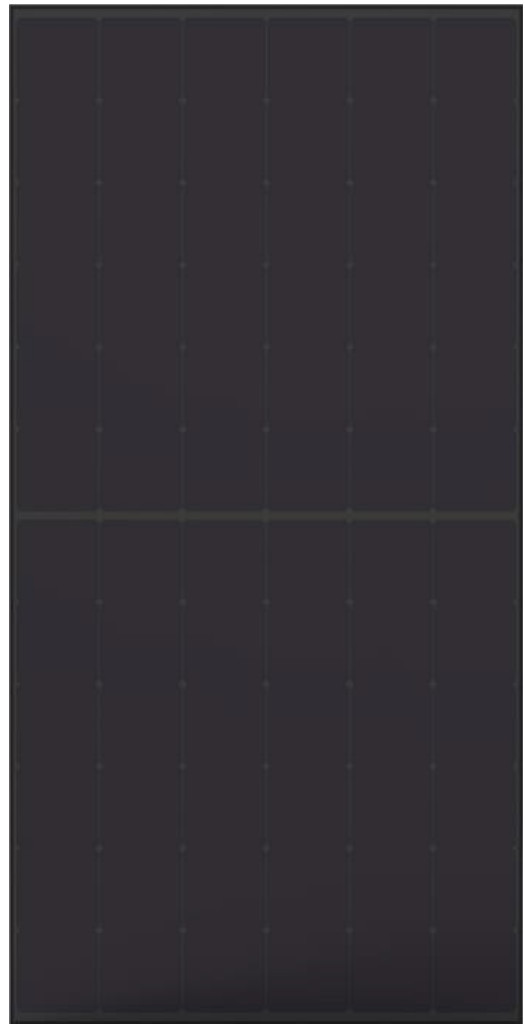
# ANDROMEDA 2.0

## SPICN6(LDF)-72/BIH Elegant Bifacial Series

445W|450W|455W

### FEATURES

- Up to 21.3% Module Efficiency
- Additional energy yield up to 10%
- IBC-No electrode to block sunlight
- N-Type cell has ZERO LID
- Dual-Glass Anti-PID
- Excellent Temperature Coefficient
- Low mismatch loss
- Refer. Bifacial Factor reached  $75\pm 5\%$
- Double 30Years Warranty
- Minimal power degradation (91.8% of initial after 30years)



### About SPIC

State Power Investment Corporation (SPIC)- FORTUNE GLOBAL 500 company ,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 40GW photovoltaic projects, ranking first in the world (As of end 2021).

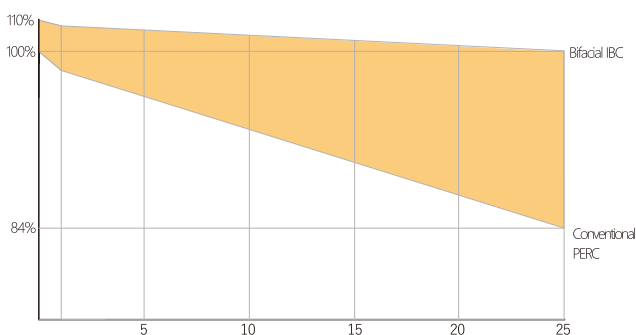


### Electrical Parameters

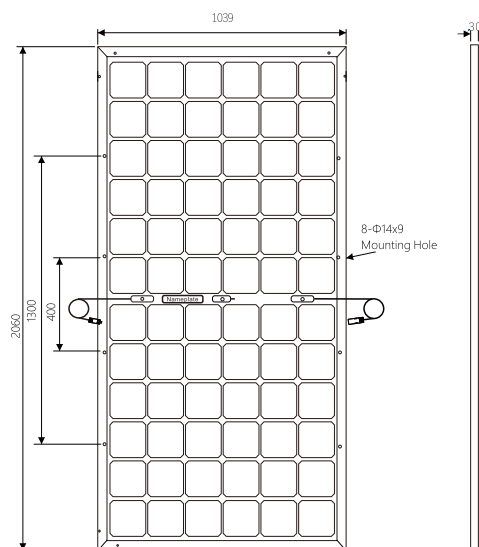
Module Type	SPICN6(LAR)-72-445/BIH			SPICN6(LAR)-72-450/BIH			SPICN6(LAR)-66-455/BIH		
	STC	*10%	*20%	STC	*10%	*20%	STC	*10%	*20%
Maximum Power (Pmax/W)	445	478.4	511.8	450	483.8	517.5	455	489.1	523.3
Maximum Power Voltage (Vmpp/V)	41.8			42			42.2		
Maximum Power Current (Imp/A)	10.65	11.45	12.25	10.72	11.52	12.33	10.79	11.60	12.41
Open Circuit Voltage (Voc/V)	49.8			49.9			50		
Short Circuit Current (Isc/A)	11.43	12.29	13.14	11.52	12.38	13.25	11.61	12.48	13.35
Module Efficiency	20.8%	22.4%	23.9%	21%	22.6%	24.2%	21.3%	22.9%	24.5%

\*10% is the Irradiance from rear side :100W/m<sup>2</sup>  
 \*20% is the Irradiance from rear side :200W/m<sup>2</sup>

### Additional Value



### Dimensions(Units:mm)



### Mechanical Parameters

Cell Type	NIBC 166x83mm(Half-Cell)
No. of Cells	144(6x24)
Junction Box	Ip68 with three bypass diodes
Output Cable	4mm <sup>2</sup> , 1600mm with MC4 (Length can be customized)
Glass	2.0+2.0mm Half tempered glass
Frame	Anodized aluminum alloy frame
Dimension	2060x1039x30mm
Weight	28.0kg

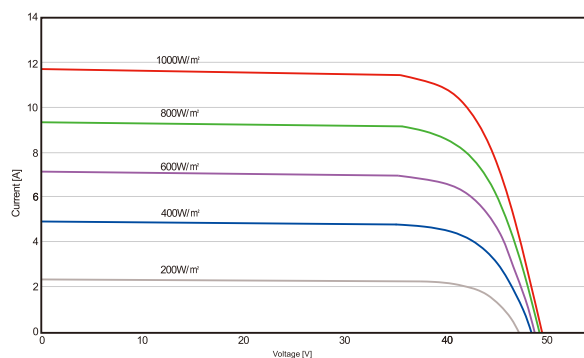
### Operating Conditions

Maximum System Voltage	1500V DC(IEC)
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V (IEC)
Maximum Series Fuse Rating	20A
Mechanical Test Load (Front)	5400Pa
Mechanical Test Load (Rear)	2400Pa

### Temperature Characteristics (STC)

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

### I-V Curves(455W)



### Packaging Configuration

No. of Modules Per Pallet	EA	35
No. of Modules Per 40ft HQ container	EA	770