







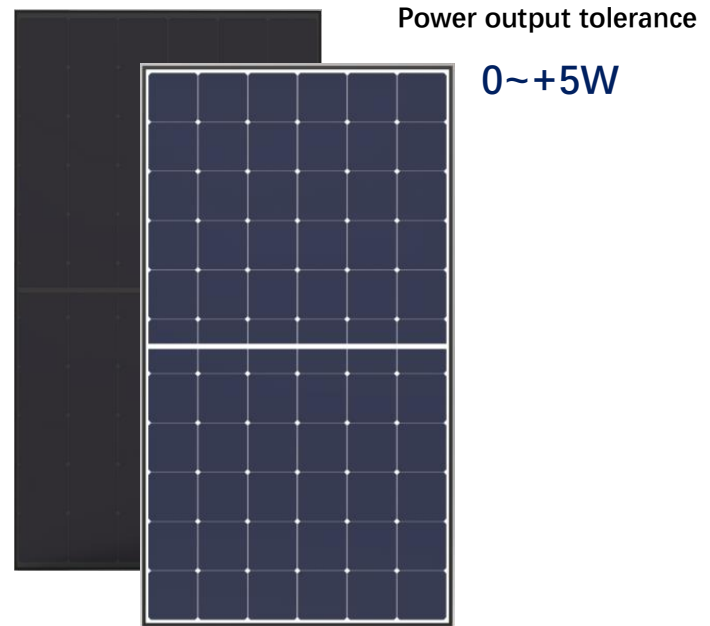
ANDROMEDA 2.0

IBC monofacial 132 half-cell module

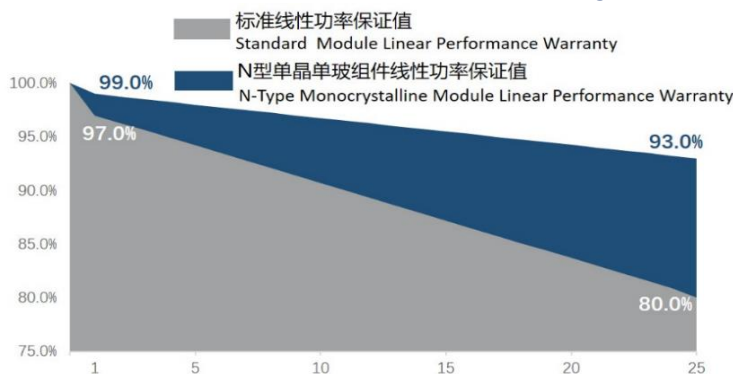
SPICN6(LAR)-66/IH High Efficiency Elegant Series

395W/400W/405W/410W/415W/420W/425W/430W

-  No busbar on front side, elegant appearance
-  N-type solar cell has no LID naturally
-  Better weak illumination response
-  Higher module power decrease system LCOE
-  Better Temperature Coefficient
-  Current grading reduces mismatch



Linear Performance Warranty



Made in China

- 1st year degradation: **-1.0%**
- Annual degradation: **0.25%**
- Linear power warranty: **25 years**
- Product material & workmanship warranty: **25 years**

Comprehensive Qualifications & Certifications

ISO 9001:2015 Quality Management Systems
 ISO 14001:2015 Environment Management Systems
 ISO 45001:2018 Occupational Health and Safety Management Systems

The Module fire resistance class is Class C
 PV Modules are installed via bolts and clamps
 Two EL tests during manufacturing to ensure products quality.



**ANDROMEDA 2.0 High Efficiency Elegant Series
SPICN6(LAR)-66/IH**

Electrical Parameters (STC*)

Module Type	SPICN6(LA) R)-66- 395/IH	SPICN6(LA) R)-66- 400/IH	SPICN6(LA) R)-66- 405/IH	SPICN6(LA) R)-66- 410/IH	SPICN6(LA) R)-66- 415/IH	SPICN6(LA) R)-66- 420/IH	SPICN6(LA) R)-66- 425/IH	SPICN6(LA) R)-66- 430/IH
Peak Power (Pmax) / W	395	400	405	410	415	420	425	430
MPP Voltage (Vmp) / V	37.8	38.0	38.2	38.4	38.6	38.8	39.0	39.2
MPP Current (Imp) / A	10.45	10.53	10.61	10.69	10.76	10.83	10.90	10.97
Open Circuit Voltage (Voc) / V	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1
Short Circuit Current (Isc) / A	11.16	11.26	11.36	11.46	11.56	11.66	11.76	11.86
Module Efficiency (η) / %	20.1%	20.3%	20.6%	20.8%	21.1%	21.3%	21.6%	21.8%

*STC (Standard Test Condition): Irradiance 1000W/m², Cell temperature 25°C, AM1.5 (Measurement Tolerance: ±3%)

Electrical Parameters (NOCT*)

Module Type	SPICN6(LA) R)-66- 395/IH	SPICN6(LA) R)-66- 400/IH	SPICN6(LA) R)-66- 405/IH	SPICN6(LA) R)-66- 410/IH	SPICN6(LA) R)-66- 415/IH	SPICN6(LA) R)-66- 420/IH	SPICN6(LA) R)-66- 425/IH	SPICN6(LA) R)-66- 430/IH
Peak Power (Pmax) / W	296	300	304	308	312	316	320	324
MPP Voltage (Vmp) / V	35.2	35.4	35.6	35.8	36.0	36.2	36.4	36.6
MPP Current (Imp) / A	8.41	8.48	8.54	8.61	8.67	8.73	8.80	8.86
Open Circuit Voltage (Voc) / V	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2
Short Circuit Current (Isc) / A	8.96	9.06	9.15	9.24	9.33	9.42	9.49	9.57

*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

Operating Properties

Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	20A
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature	42±2°C
Temperature Coefficient of Pmax	-0.290%/°C
Temperature Coefficient of Voc	-0.246%/°C
Temperature Coefficient of Isc	+0.046%/°C

Mechanical Properties

Cell Type	N IBC 166×83 mm (Half-cell)
No. of Cells	132 (12×11)
Dimensions	1907×1039×35mm / 1895×1039×35mm / 1885×1039×35mm
Weight	21.5±0.5kg / 21.0±0.5kg
Front Glass	3.2mm, High transmission, Low Iron, Tempered Glass
Frame	Aluminium Alloy
Junction Box	IP68 Rate (3 diodes)
Cables	TÜV 1×4mm ² , 1400mm (Or Custom Design)
Connector	See the following table for details



Connector manufacturer	Allowable male type to mate	Famele type	Rated Voltage
Zhejiang Zhonghuan Sunter PV Technology Co., Ltd.	general	PV-ZH202B; PV-ZH202	1500V
LEONI Cable (China) Co., Ltd.	general	LSC-R1; LSC-R1-B	1500V
QC Solar (Suzhou) Corporation	general	QC 4.10-cd	1500V
Amphenol Technology (Shenzhen) Co., Ltd.	general	UTXCF abcd; UTXCM abcd; UTXCFabcde; UTXCMabcd	1500V
Staubli Electrical Connectors AG	general	PV-KST4/xy-UR; PV-KBT4/xy-UR; PV-KST4-EVO 2/xy_UR; PV-KBT4-EVO 2/xy_UR	1500V
Suzhou Xtong Photovoltaic Technologies Co., Ltd.	general	PV-ST101.1	1500V
Dongguan Zerun Electronics Technology Co., Ltd.	general	Z4S-abcde	1500V
Tyco Electronics (Shanghai) Co., Ltd.	general	PV4-S 1yx	1500V
Amphenol Industrial Operations	general	H4-abcdef	1500V



Engineering Drawing (unit: mm)

