







ANDROMEDA 2.0

IBC monofacial 80 half-cell module

SPICN6(LAR)-40/IH Elegant Series 235W

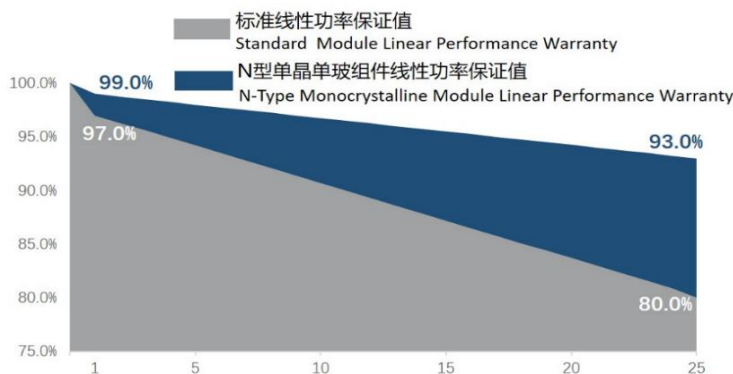
-  No busbar on front side, elegant appearance
-  N-type solar cell has no LID naturally
-  Better weak illumination response
-  Higher module power decrease system LCOE
-  Better Temperature Coefficient
-  Current grading reduces mismatch



Power output tolerance
0~+5W

Made in China

Linear Performance Warranty



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 Elegant Series
SPICN6(LAR)-40/IH

Electrical Parameters (STC*)

Module Type	SPICN6(LAR)-40-235/IH
Peak Power (Pmax) / W	235
MPP Voltage (Vmp) / V	46.8
MPP Current (Imp) / A	5.03
Open Circuit Voltage (Voc) / V	55.6
Short Circuit Current (Isc) / A	5.37
Module Efficiency (η) / %	17%

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

Electrical Parameters (NOCT*)

Module Type	SPICN6(LAR)-40-235/IH
Peak Power (Pmax) / W	177
MPP Voltage (Vmp) / V	43.7
MPP Current (Imp) / A	4.06
Open Circuit Voltage (Voc) / V	53.5
Short Circuit Current (Isc) / A	4.33

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

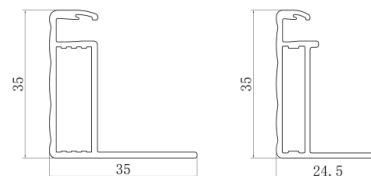
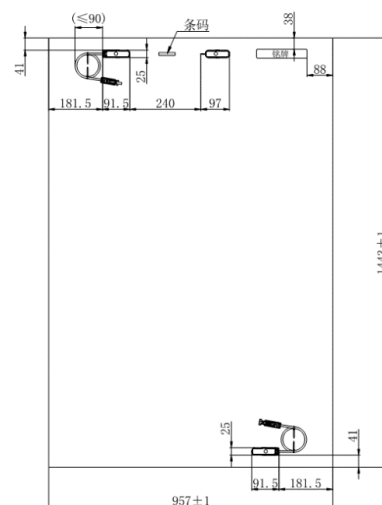
Operating Properties

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	80 (16×5)
Dimensions	1443×957×35mm
Weight	15.5±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 , 1200mm (Or Custom Design)
Connector	See the following table for details

Engineering Drawing (unit: mm)



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

