

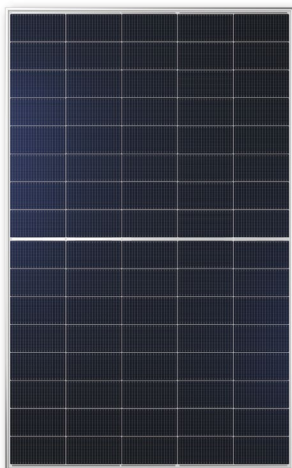
# JeniÜs N-HJT

## Light-weight Solar Module

# 420-440<sub>w</sub>

SMBB/22.9% Maximum Efficiency

Module Type  
JT SMk(L)-210H80(CH)



### QUALIFICATIONS & CERTIFICATES

- IEC 61215, IEC 61730, IEC 62941
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety

### JETION SOLAR

As a member of CNBM - a Fortune 500 company, Jetion Solar provides various product solutions, global EPC service and financing. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. Till now, Jetion Solar has cumulatively more than 20 GW module shipment and 1 GW global EPC track records.

#### Jetion Solar (China) Co., Ltd.

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### KEY FEATURES



#### BIPV

Only 6.7kg/m<sup>2</sup>, significantly reducing the load-bearing capacity of the roof



#### Light design

Only 2/3 weight of the conventional module, lower labor cost



#### Extreme temperature coefficient

High open-circuit voltage, decreased sensitivity to temperature, Raise power output by 1-3% in high temperature areas



#### Excellent low light performance

Extended power generation hours in the morning and evening  
Better performance in low light below 600 irradiance



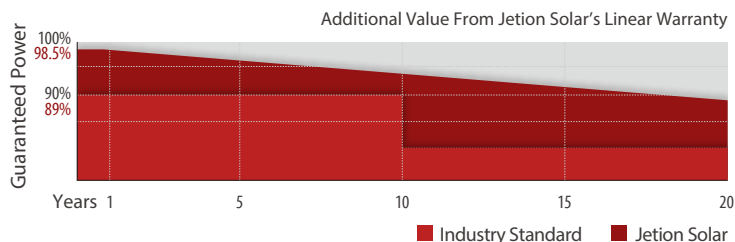
#### Lower LID & PID

N-type wafer has no B-O bond, TCO film without insulating layer on surface, LID and PID can be eliminated in principle

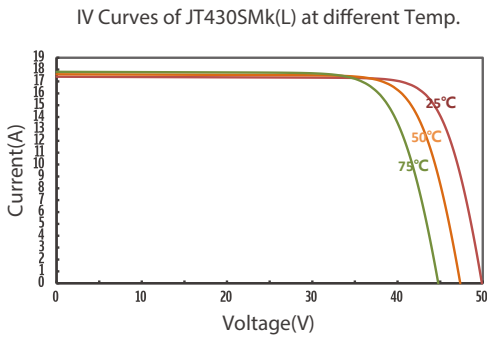
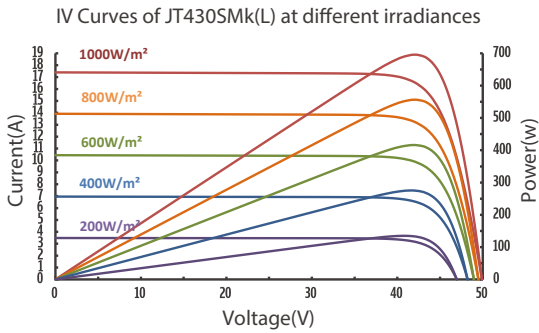
### WARRANTY

**10** years  
Product Warranty

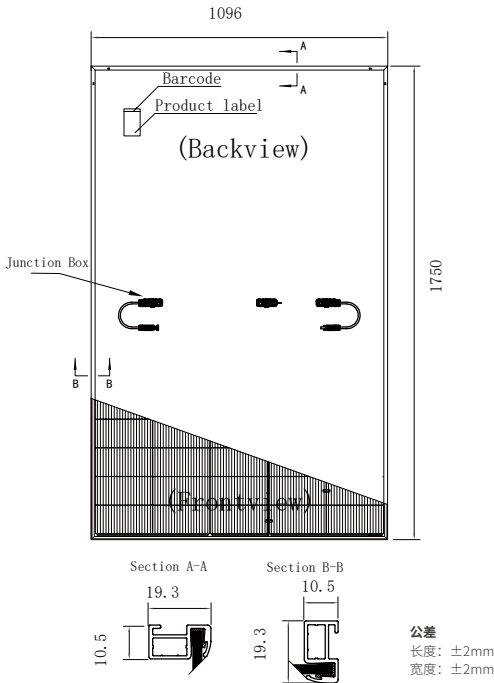
**20** years  
Performance Warranty



IV CURVES



DIMENSION



Remarks

ELECTRICAL DATA \*STC

Measuring tolerance: ±3%

TYPE (Tolerance: 0 - +5W)	JT420SMk(L)	JT425SMk(L)	JT430SMk(L)	JT435SMk(L)	JT440SMk(L)
Maximum Power Pmax (W)	420	425	430	435	440
Maximum Power Voltage Vmp (V)	25.20	25.35	25.50	25.65	25.80
Maximum Power Current Imp (A)	16.67	16.77	16.87	16.96	17.06
Open Circuit Voltage Voc (V)	30.10	30.25	30.40	30.55	30.70
Short Circuit Current Isc (A)	17.54	17.63	17.73	17.82	17.92
Module Efficiency (%)	21.9%	22.1%	22.4%	22.7%	22.9%

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

ELECTRICAL DATA \*NMOT

Maximum Power Pmax (W)	320.34	324.18	328.04	331.73	335.64
Maximum Power Voltage Vmp (V)	23.85	24.00	24.15	24.30	24.45
Maximum Power Current Imp (A)	13.43	13.51	13.59	13.66	13.73
Open Circuit Voltage Voc (V)	28.80	28.95	29.10	29.25	29.40
Short Circuit Current Isc (A)	14.13	14.22	14.31	14.40	14.49

NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

TEMPERATURE RATINGS

Temperature Coefficient of Isc (αIsc)	+0.040%/°C
Temperature Coefficient of Voc (βVoc)	-0.24%/°C
Temperature Coefficient of Pmax (γPmp)	-0.24%/°C
Normal Module Operating Temperature (NMOT)	43°C±3°C

OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	35A
Maximum Test Load,Push/Pull	2400Pa/1000Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Voc and Isc Tolerance	±3%

MECHANICAL DATA

Solar Cell Type	Mono 210×105 mm(8.3 x 4.1 inches)
Number of Cells	80 [2 x (8 x 5)]
Module Dimensions	1750×1096×19.3 mm(68.9×43.1×0.8 inches)
Weight	12.8 kg(28.2 lb)
Front Cover	1.6 mm (0.06 inches), high transmission, AR coated tempered glass
Back Cover	White composite film
Frame	Silver, anodized aluminium alloy
J-Box	≥IP68
Cable	4.0 mm² solar cable, 400mm(+)/200mm(-)
Number of diodes	3

PACKAGING CONFIGURATION

Module per pallet	52 pieces
Module per 40'HQ container	24 pallets, 1248 pieces

\*Installation instruction must be followed. See the installation manual or contact our technical service department for further information on approved installation.  
\*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Jetion Solar (China) Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.      Jetion Solar\_REV\_2025\_03\_EN

