

# JT SEt(L) 420-440W

## Monocrystalline Solar Module

108 Cells / Mono TOPCon / 1500V DC / 22.5% Maximum Efficiency



### KEY FEATURES



#### Leading TOPCon technology

MBB N-type TOPCon solar cell, maximum power output 440W  
Better anti-LID & LETID performance



#### 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



#### Highly reliable due to stringent quality control

Excellent PID resistance, 100% EL double inspection  
In-house testing goes well beyond certification requirements



#### Excellent low light performance

Excellent low light performance on cloudy days  
mornings and evenings

### 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.

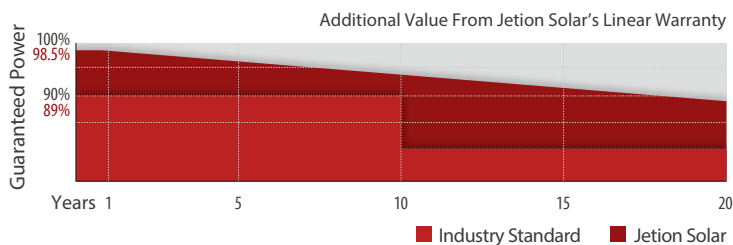
### WARRANTY



Product  
Warranty



Performance  
Warranty



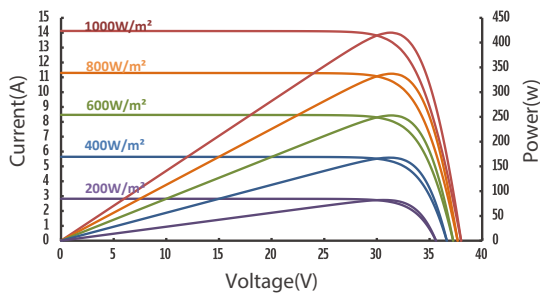
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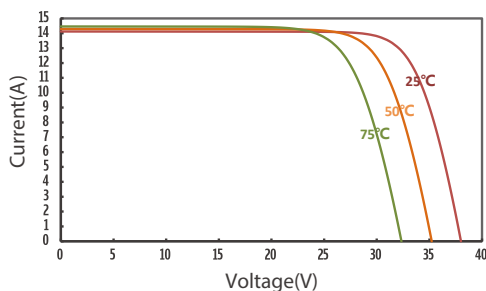


## IV CURVES

IV Curves of JT420SEt(L) at different irradiances



IV Curves of JT420SEt(L) at different Temp



## ELECTRICAL DATA \*STC

TYPE (Tolerance: 0 - +5W)	JT420SEt(L)	JT425SEt(L)	JT430SEt(L)	JT435SEt(L)	JT440SEt(L)
Maximum Power Pmax (W)	420	425	430	435	440
Maximum Power Voltage Vmp (V)	31.40	31.55	31.70	31.85	32.00
Maximum Power Current Imp (A)	13.38	13.48	13.57	13.66	13.75
Open Circuit Voltage Voc (V)	38.00	38.15	38.30	38.45	38.60
Short Circuit Current Isc (A)	14.12	14.22	14.31	14.40	14.49
Module Efficiency (%)	21.5%	21.8%	22.0%	22.3%	22.5%

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

Measuring tolerance: ±3%

## ELECTRICAL DATA \*NMOT

	316	320	323	327	330
Maximum Power Pmax (W)	316	320	323	327	330
Maximum Power Voltage Vmp (V)	29.30	29.45	29.60	29.75	29.90
Maximum Power Current Imp (A)	10.78	10.86	10.92	10.98	11.04
Open Circuit Voltage Voc (V)	35.95	36.10	36.30	36.40	36.60
Short Circuit Current Isc (A)	11.38	11.46	11.52	11.58	11.64

NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

## TEMPERATURE RATINGS

Temperature Coefficient of Isc (αIsc)	+0.045%/°C
Temperature Coefficient of Voc (βVoc)	-0.25%/°C
Temperature Coefficient of Pmax (γPmp)	-0.30%/°C
Normal Module Operating Temperature (NMOT)	42°C±2°C

## OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	25A
Maximum Test Load, Push/Pull	2400Pa/1000Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥ 100MΩ
Voc and Isc Tolerance	±3%

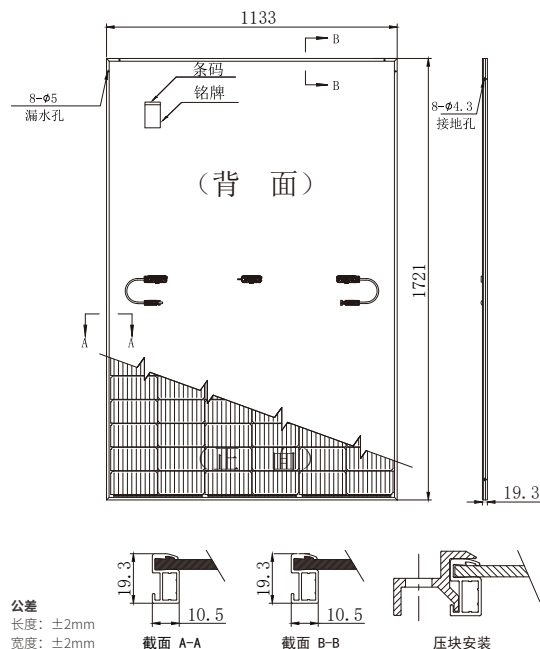
## MECHANICAL DATA

Solar Cell Type	N-type
Number of Cells	108 [2 x (9 x 6)]
Module Dimensions	1721×1133×19.3 mm(67.8×44.6×0.76 inches)
Weight	13.1 kg(28.9 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 mm <sup>2</sup> solar cable, 400mm(+)/200mm(-)
Number of diodes	3

## PACKAGING CONFIGURATION

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

## DIMENSION



### Remarks

\*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\_02\_EN

