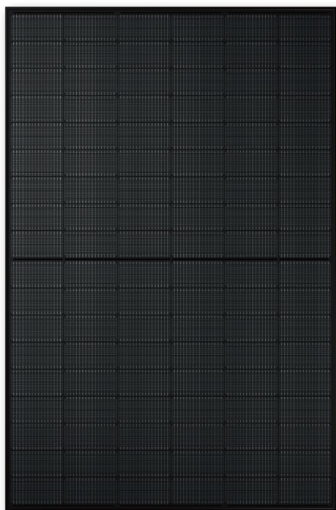


JT SEt(L) 420-435W Monocrystalline Solar Module

108 Cells / Mono TOPCon / 1500V DC / 22.3% Maximum Efficiency



KEY FEATURES



Leading TOPCon technology

MBB N-type TOPCon solar cell, maximum power output 435W
Better anti-LID & LETID performance



BIPV

Only 6.7kg/m², 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.

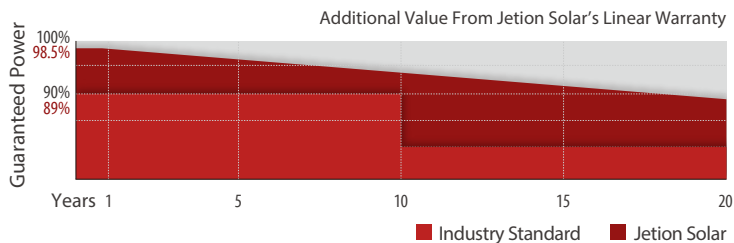
WARRANTY



Product
Warranty



Performance
Warranty



Jetion Solar (China) Co., Ltd.

Add: 1011 Zhencheng Road, Jiangyin, Jiangsu Province, P.R. China 214443

Tel: 400-805-8057

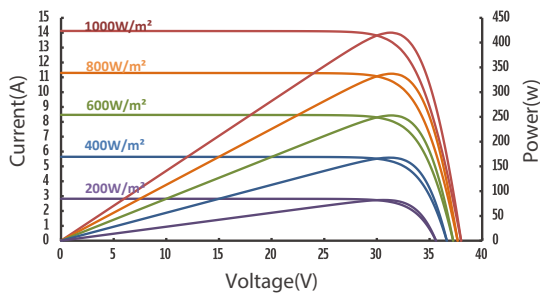
E-mail: marketing@jetion.com.cn

Web: www.jetionsolar.com

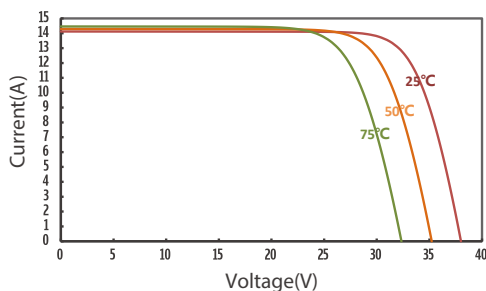


IV CURVES

IV Curves of JT420SEt(L) at different irradiances



IV Curves of JT420SEt(L) at different Temp



ELECTRICAL DATA *STC

Measuring tolerance: $\pm 3\%$

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

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

ELECTRICAL DATA *NMOT

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

NMOT: Irradiance at 800W/m², 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 \pm 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	$\leq 0.1\Omega$
Safety Class	II
Resistance	$\geq 100M\Omega$
Voc and Isc Tolerance	$\pm 3\%$

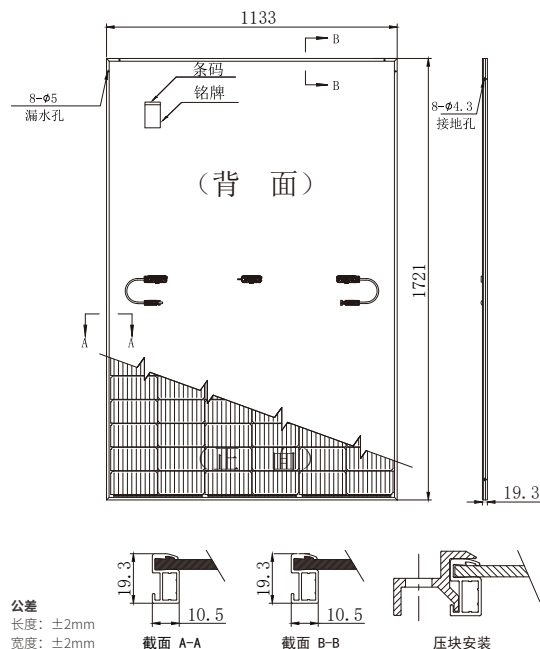
MECHANICAL DATA

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	Black composite film
Frame	Black anodized aluminium alloy
J-Box	$\geq IP68$
Cable	4.0 mm ² 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, Jietion 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. Jietion Solar_REV_2025_02_EN

