JT SNk(B) 505-525W
## Dual-glass Monocrystalline Solar Module
96 Cells / MBB / HJT / 1500V DC / 23.0% Maximum Efficiency

CE | TÜV SÜD | PV CYCLE | Bloomberg New Energy Finance | Tier 1
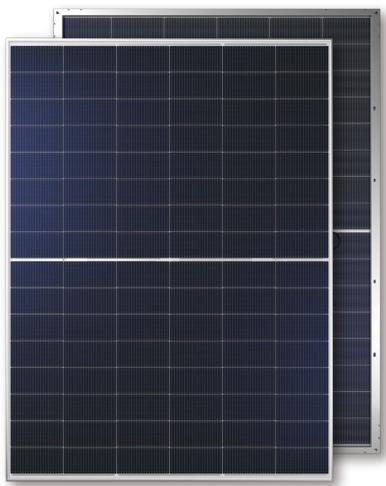
KEY FEATURES

Excellent power generation performance
Advanced technology, maximum efficiency 23.0%
Bifacial cell, additional 5%-30% more yield

HJT
Leading HJT Technology
A fusion of N-type wafer-based solar cell technology and thin-film PV
High-efficiency cell structure and special anti-reflective glass increase higher power output

Excellent low light performance
Excellent low light performance on cloudy days, mornings and evenings
Lower thermal coefficients and power loss under high temperature

Stable mechanical properties
2400 Pa / 5400 Pa
Certified to withstand the most challenging environment
5400 Pa snow load • 2400 Pa wind load

Industry leading warranty
Anti-LID & PID, high reliability and longer lifetime
30 years linear performance warranty<10%

QUALIFICATIONS & CERTIFICATES

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

WARRANTY

15 years Product Warranty

30 years Performance Warranty

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.
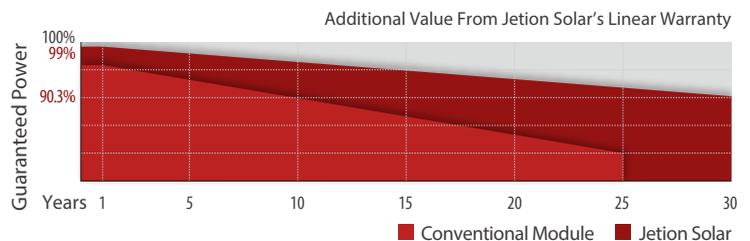
Additional Value From Jetion Solar's Linear Warranty

Guaranteed Power: 100% / 99% / 90.3%
Years: 1 5 10 15 20 25 30

■ Conventional Module   ■ Jetion Solar

CNBM | **JETION SOLAR** *Visionary Green Energy*

IV CURVES

IV Curves of JT520SNk(B) at different irradiances
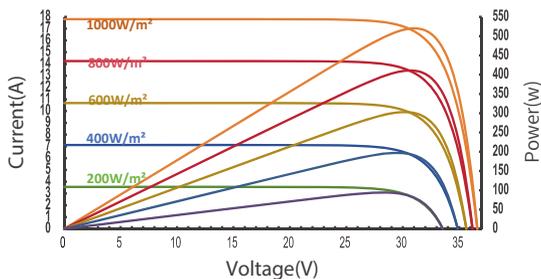
IV Curves of JT520SNk(B) at different Temp.

DIMENSION

Tolerance
Length：±2mm
Width ：±2mm

Section A-A   Section B-B
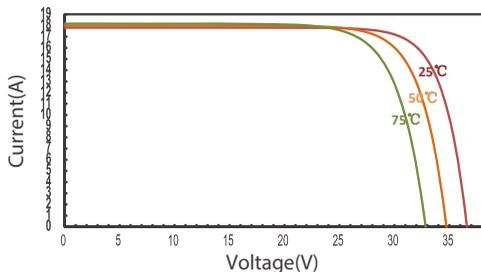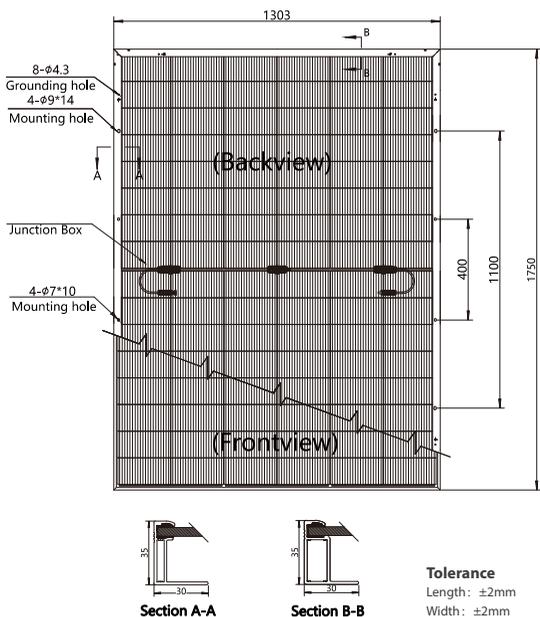
Remarks

ELECTRICAL DATA

TYPE (Tolerance: 0 - +5W)	JT505SNk(B)		JT510SNk(B)		JT515SNk(B)		JT520SNk(B)		JT525SNk(B)	
Test Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power Pmax (W)	505	385.11	510	389.11	515	392.89	520	396.69	525	400.51
Maximum Power Voltage Vmp (V)	30.35	28.72	30.50	28.85	30.65	29.00	30.80	29.15	30.95	29.30
Maximum Power Current Imp (A)	16.64	13.41	16.73	13.49	16.81	13.55	16.89	13.61	16.97	13.67
Open Circuit Voltage Voc (V)	36.15	34.60	36.30	34.75	36.45	34.90	36.60	35.05	36.75	35.20
Short Circuit Current Isc (A)	17.54	14.14	17.63	14.22	17.72	14.30	17.81	14.37	17.89	14.44
Module Efficiency (%)	22.1%		22.4%		22.6%		22.8%		23.0%	

STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5
NMOT: Irradiance at 800W/m², Ambient Temperature 20℃, Wind Speed 1m/s

Measuring tolerance: ±3%

BSTC

Maximum Power - Pmax (W)	556.81	562.33	567.84	573.35	578.87
Maximum Power Voltage -Vmp (V)	30.35	30.50	30.65	30.80	30.95
Maximum Power Current -Imp (A)	18.35	18.44	18.53	18.62	18.70
Open Circuit Voltage -Voc (V)	36.15	36.30	36.45	36.60	36.75
Short Circuit Current -Isc (A)	19.25	19.34	19.44	19.54	19.62

BSTC : Front side irradiation 1000W/m², back side reflection irradiation 135W/m², spectrum AM1.5, ambient temperature 25℃. Values are based on RETC certified results from a light-soaked module.

TEMPERATURE RATINGS

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

OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40℃-+85℃
Maximum Series Fuse	35A
Maximum Test Load,Push/Pull	5400Pa/2400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Voc and Isc Tolerance	±3%
Bifaciality	85±10%

## MECHANICAL DATA

Solar Cell Type	Mono 210×105 mm(8.3×4.1 inches)
Number of Cells	96 [2 x (8 x 6)]
Module Dimensions	1750×1303×35 mm(68.9×51.3×1.4 inches)
Weight	27.4 kg(60.4 lb)
Front Cover	High transmission, AR coated tempered glass, 2.0mm
Back Cover	High transmission, Tempered, White Grid Glass/AR coating(optional), 2.0mm
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	31 pieces
Module per 40'HQ container	18 pallets, 558 pieces

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