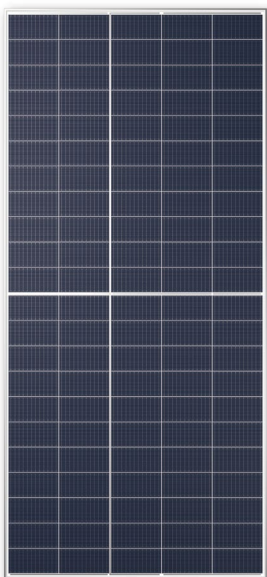# JT SWk 535-555W
Monocrystalline Solar Module
110 Cells / Mono PERC / 1500V DC / 21.2% Maximum Efficiency

KEY FEATURES

Higher module conversion efficiency
Maximize limited space with high efficiency mono PERC cells
Half-cell design, lower Rs loss, lower hot spot temperature

Highly reliable due to stringent quality control
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

Certified to withstand the most challenging environment
2400 Pa wind load • 5400 Pa snow load • 25 mm hail stones at 82 km/h

High system voltage compatible
Maximum 1500V DC system voltage saves total system cost

IP68 junction box
High waterproof level for long term weather endurance

CE · TÜV 500 · PV CYCLE · **Bloomberg** New Energy Finance · Tier **1**

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 15 GW module shipment and 1 GW global EPC track records.
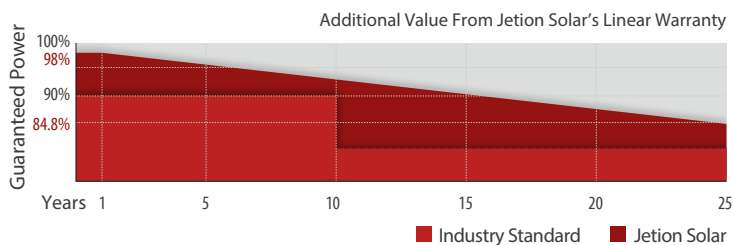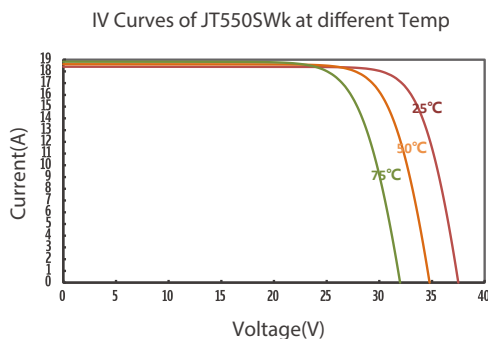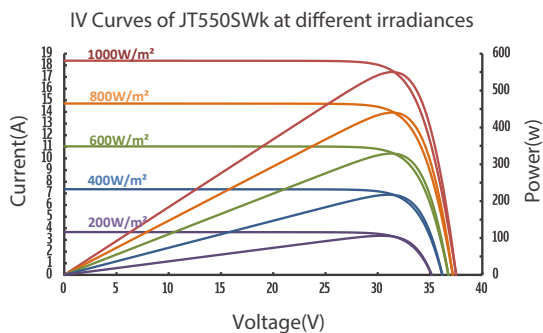
WARRANTY

12 years — Product Warranty

25 years — Performance Warranty

Additional Value From Jetion Solar's Linear Warranty

Guaranteed Power: 100%, 98%, 90%, 84.8%

Years: 1, 5, 10, 15, 20, 25

Industry Standard · Jetion Solar

CNBM | JETION SOLAR
Visionary Green Energy

IV CURVES

IV Curves of JT550SWk at different irradiances

IV Curves of JT550SWk at different Temp

DIMENSION

Section A-A   **Section B-B**

Tolerance
Length: ±2mm
Width: ±2mm

Remarks

ELECTRICAL DATA *STC

TYPE (Tolerance: 0 - +5W)	JT535SWk	JT540SWk	JT545SWk	JT550SWk	JT555SWk
Maximum Power Pmax (W)	535	540	545	550	555
Maximum Power Voltage Vmp (V)	31.00	31.20	31.40	31.60	31.80
Maximum Power Current Imp (A)	17.26	17.31	17.36	17.41	17.46
Open Circuit Voltage Voc (V)	36.90	37.10	37.30	37.50	37.70
Short Circuit Current Isc (A)	18.25	18.30	18.35	18.40	18.45
Module Efficiency (%)	20.5%	20.7%	20.9%	21.0%	21.2%

STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5   Measuring tolerance: ±3%

ELECTRICAL DATA *NMOT

Maximum Power Pmax (W)	405.13	409.09	413.07	417.06	421.07
Maximum Power Voltage Vmp (V)	29.0	29.2	29.4	29.6	29.8
Maximum Power Current Imp (A)	13.97	14.01	14.05	14.09	14.13
Open Circuit Voltage Voc (V)	35.1	35.3	35.5	35.7	35.9
Short Circuit Current Isc (A)	14.71	14.75	14.79	14.83	14.87

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

TEMPERATURE RATINGS

Temperature Coefficient of Isc (αIsc)	+0.04%/℃
Temperature Coefficient of Voc (βVoc)	-0.25%/℃
Temperature Coefficient of Pmax (γPmp)	-0.34%/℃
Normal Module Operating Temperature (NMOT)	43℃±2℃

OPERATING PARAMETERS

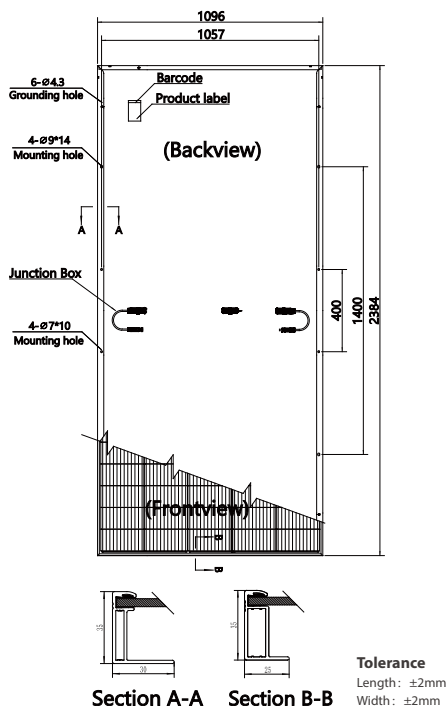|	
Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40℃-+85℃
Maximum Series Fuse	30A
Maximum Test Load,Push/Pull	5400Pa/2400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Voc and Isc Tolerance	±3%

MECHANICAL DATA

Solar Cell Type	Mono 210×105 mm(8.3×4.1 inches)
Number of Cells	110 [2 x (11 x 5)]
Module Dimensions	2384×1096×35 mm(93.9×43.1×1.4 inches)
Weight	28.6 kg(63.1 lb)
Front Cover	3.2 mm (0.13 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, 350 mm(13.8 inches)
Number of diodes	3

PACKAGING CONFIGURATION

Module per pallet	31 pieces
Module per 40'HQ container	20 pallets, 620 pieces

CNBM | JETION SOLAR
Visionary Green Energy