







JT SSh(B) 540-550W
Dual-glass Monocrystalline Solar Module
144 Cells / MBB / Bifacial Mono PERC / 1500V DC / 21.3% Maximum Efficiency

among the most powerful and cost-effective in the industry

KEY FEATURES

-  **Ultra-high power output**
 MBB mono PERC cell technology, maximum power output 665W
 Half-cut cell layout, lower Rs loss and thermal coefficients
 Bifacial cell, additional 5%-30% more yield
-  **Ultra-high reliability**
 Dual-glass design with POE encapsulant, no PID risk
 100% EL double inspection, stringent internal quality control
-  **Excellent low light performance**
 Excellent low light performance on cloudy days mornings and evenings
-  **Certified to withstand the most challenging environments**
 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
-  **High fire class**
 Fire class C certified, minimize the fire risk of the system

QUALIFICATIONS & CERTIFICATES

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

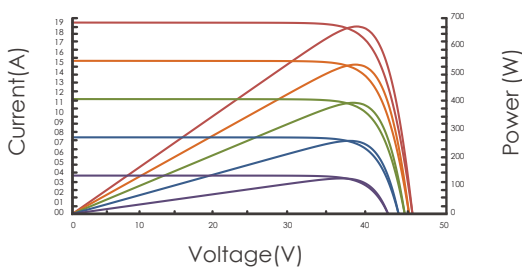
JETION SOLAR

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 10 GW module shipment and 1 GW global EPC track records.

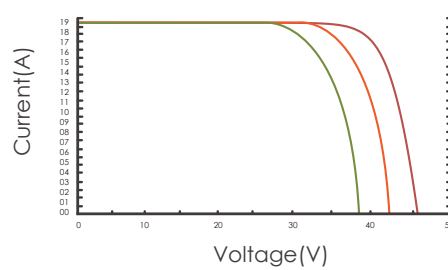
WARRANTY

-  **12 YEARS** Product Warranty
-  **30 YEARS** Performance Warranty

IV Curves of JT665SfK at different irradiances



IV Curves of JT665SLk(B) at different Temp



MECHANICAL DATA

Solar Cell Type	Mono 210×105 mm(8.3×4.1 inches)
Number of Cells	132 [2 x (11 x 6)]
Module Dimensions	2384×1303×35 mm(93.9×51.3×1.4 inches)
Weight	38.7 kg(85.3 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
Cable	≤IP68
J-Box	4.0 mm ² solar cable, ≥300 mm(11.8 inches) /customizable
Number of diodes	3
Connector	MC4 EVO2 compatible

ELECTRICAL DATA *STC

TYPE (Tolerance: 0 - +5W)	JT540SGh	JT545SGh	JT550SGh
Maximum Power Pmax (W)	540	545	550
Maximum Power Voltage Vmp (V)	41.7	41.9	42.1
Maximum Power Current Imp (A)	12.95	13.01	13.07
Open Circuit Voltage Voc (V)	49.6	49.8	50.00
Short Circuit Current Isc (A)	13.80	13.86	13.92
Module Efficiency (%)	20.90%	21.10%	21.30%

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

Measuring tolerance: ±3%

PACKAGING CONFIGURATION

Module per pallet	31 pieces
Module per 40'HQ container	18 pallets, 558 pieces

TEMPERATURE RATINGS

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

OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C~+85°C
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	70±5%

REAR SIDE POWER GAIN JT660SLk(B)

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power - Pmax (W)	693	726	759	792	825	858
Maximum Power Voltage -Vmp (V)	36	38	38	38.1	38.1	38.1
Maximum Power Current -Imp (A)	18.24	19.11	19.98	20.79	21.66	22.52
Open Circuit Voltage -Voc (V)	45.6	45.6	45.6	45.7	45.7	45.7
Short Circuit Current -Isc (A)	19.28	20.15	21.02	22.7	22.7	23.56
Resistance						

ELECTRICAL DATA

TYPE (Tolerance: 0 - +5W) Test Condition	JT540SSh(B)		JT545SSh(B)		JT550SSh(B)	
	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power Pmax (W)	540	403.26	545	407.29	550	411.34
Maximum Power Voltage Vmp (V)	41.70	39.0	41.9	39.2	42.1	39.4
Maximum Power Current Imp (A)	12.95	10.34	13.01	10.39	13.07	10.44
Open Circuit Voltage Voc (V)	50.00	46.6	50.2	46.8	50.4	47
Short Circuit Current Isc (A)	13.80	11.12	13.86	11.16	13.92	11.2
Module Efficiency (%)	20.90%	20.90%	21.10%	21.10%	21.3%	21.30%

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

Measuring tolerance: ±3%