









among the most powerful and cost-effective in the industry

JT SGh 540-550W

Monocrystalline Solar Module

144 Cells / Mono PERC / 1500V DC / 21.3% 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 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
- 
IP68 junction box
 High waterproof level for long term weather endurance

QUALIFICATIONS & CERTIFICATES

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

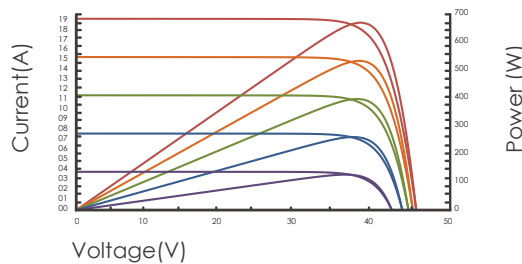
JETION SOLAR

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

- 
 15 YEARS Product Warranty
- 
 25 YEARS Performance Warranty

IV Curves of JT665SFk at different irradiances



MECHANICAL DATA

Solar Cell Type	Mono 91×182 mm(3.6×7.2 inches)
Number of Cells	144 [2 x (12 x 6)]
Module Dimensions	2279×1134×35 mm(89.7×44.6×1.4 inches)
Weight	29.0 kg(63.9 lb)
Front Cover	3.2 mm (0.13 inches), high transmission, AR coated tempered glass
Safety Class	White composite film
Frame	Silver, anodized aluminium alloy
J-Box	≤IP68
Cable	4.0 mm solar cable, 300 mm(11.8 inches)
Number of diodes	3
Connector	MC4 EVO2 compatible

ELECTRICAL DATA *NMOT

Maximum Power Pmax (W)	405.21	409.25	413.31
Maximum Power Voltage Vmp (V)	39.00	39.20	39.40
Maximum Power Current Imp (A)	10.39	10.44	10.49
Open Circuit Voltage Voc (V)	46.60	46.80	47.00
Short Circuit Current Isc (A)	11.12	11.16	11.20

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

PACKAGING CONFIGURATION

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

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%

TEMPERATURE RATINGS

Temperature Coefficient of Isc (alsc)	+0.048%/°C
Temperature Coefficient of Voc (βVoc)	-0.27%/°C
Temperature Coefficient of Pmax (γPmp)	-0.35%/°C
Normal Module Operating Temperature (NMOT)	41°C±3°C

OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	25A
Maximum Test Load, Push/Pull	5400Pa/2400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≤100MΩ
Voc and Isc Tolerance	±3%

