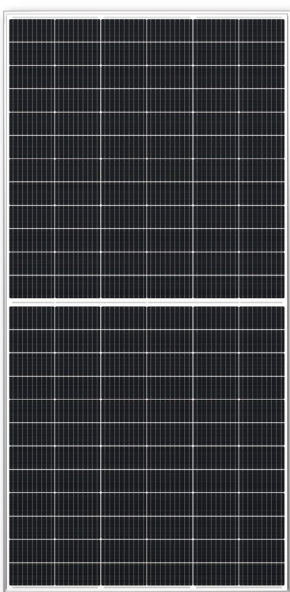


# JT SGh 400-420W

## Monocrystalline Solar Module

144 Cells / Mono PERC / 1500V DC / 20.9% Maximum Efficiency



### QUALIFICATIONS & CERTIFICATES

- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- OHSAS 18001: Occupational Health and Safety
- IEC TS 62941: Design and Manufacture of Crystalline Silicon Photovoltaic Modules

### 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.

#### Jetion Solar (China) Co., Ltd.

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E-mail: marketing@jetion.com.cn  
Web: www.jetion.com.cn

### KEY FEATURES



#### Higher module conversion efficiency

Maximize limited space with PERC mono high efficiency cells  
Half-cell design, lower Rs loss, lower hot spot temperature  
5BB cell and MBB cell are optional



#### 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 1500 VDC system voltage saves total system cost



#### IP67 junction box

High waterproof level for long term weather endurance

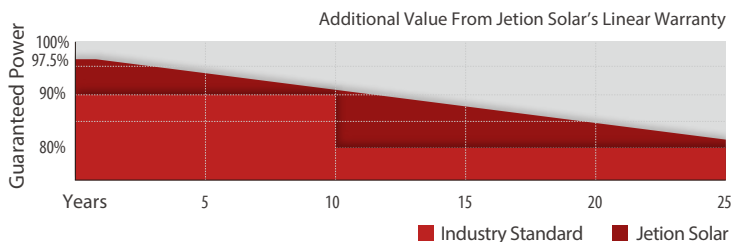
### WARRANTY



Product  
Warranty

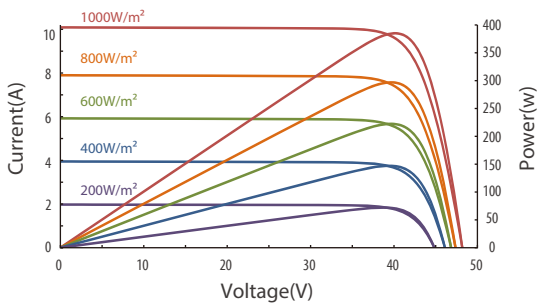


Performance  
Warranty

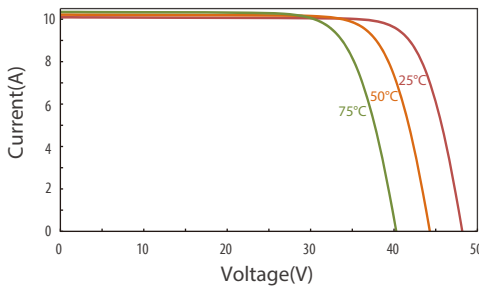


## IV CURVES

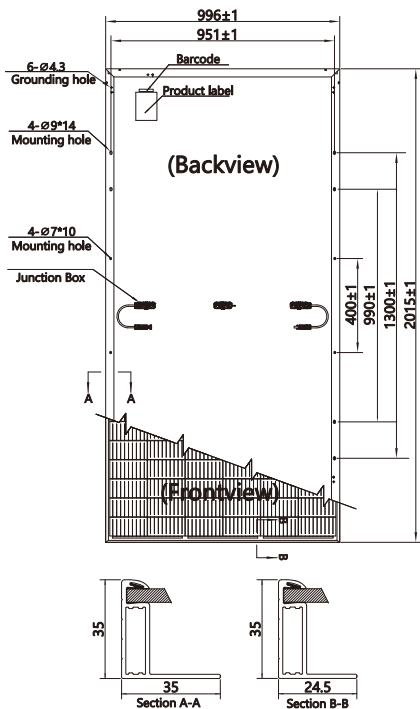
IV Curves of JT385SGh at different irradiances



IV Curves of JT385SGh at different Temp



## DIMENSION



Remarks

## ELECTRICAL DATA \*STC

TYPE (Tolerance: 0 - +5W)	JT400SGh	JT405SGh	JT410SGh	JT415SGh	JT420SGh
Maximum Power Pmax (W)	400	405	410	415	420
Maximum Power Voltage Vmp (V)	41.0	41.3	41.6	41.8	42.1
Maximum Power Current Imp (A)	9.76	9.81	9.86	9.93	9.98
Open Circuit Voltage Voc (V)	48.9	49.2	49.5	49.7	50.0
Short Circuit Current Isc (A)	10.29	10.35	10.40	10.47	10.52
Module Efficiency (%)	19.9%	20.2%	20.4%	20.7%	20.9%

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

## ELECTRICAL DATA \*NMOT

Maximum Power Pmax (W)	302.1	306.0	310.0	313.9	317.9
Maximum Power Voltage Vmp (V)	38.1	38.4	38.7	38.9	39.2
Maximum Power Current Imp (A)	7.93	7.97	8.01	8.07	8.11
Open Circuit Voltage Voc (V)	46.0	46.2	46.5	46.7	47.0
Short Circuit Current Isc (A)	8.32	8.37	8.41	8.47	8.52

NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

## TEMPERATURE RATINGS

Temperature Coefficient of Isc (αIsc)	+0.05%/°C
Temperature Coefficient of Voc (βVoc)	-0.30%/°C
Temperature Coefficient of Pmax (γPmp)	-0.35%/°C
Normal Module Operating Temperature (NMOT)	41°C±3°C

## OPERATING PARAMETERS

Maximum System Voltage	1000V/DC(IEC)/1500V/DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
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 79.38×158.75 mm
Number of Cells	144 [2 x (12 x 6)]
Module Dimensions	2015×996×35 mm (79.3×39.2×1.4 inches)
Weight	22 kg (48.5 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	≥ IP67
Cable	4.0 mm <sup>2</sup> solar cable, 300 mm (11.8 inches)
Number of diodes	3
Connector	MC4 EVO2 compatible

## PACKAGING CONFIGURATION

Module per pallet	30 pieces
Module per 40'HQ container	22 pallets, 660 pieces

\*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, Jetion 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. Jetion Solar\_REV\_2020\_11\_EN

