

# Black JT255SCc Series

Monocrystalline Solar Module



*Visonary green energy*



**JETION**  
SOLAR

# Black JT255SCc Series

JT255SCc (Black), JT250SCc (Black), JT245SCc (Black),  
JT240SCc (Black), JT234SCc (Black)

## Module

JT255SCc (Black) series is a medium-powered module product ideal for roof top or ground mounted large, medium or small sized off-grid and on-grid solar power systems where long term economics, reliability and environmental issues are of a real concern.

JT255SCc (Black) have gone through various rigorous in-house reliability tests, i.e., LID under natural sunlight as well as artificial sunlight to guarantee the rated power output.

## Mechanical Characteristics

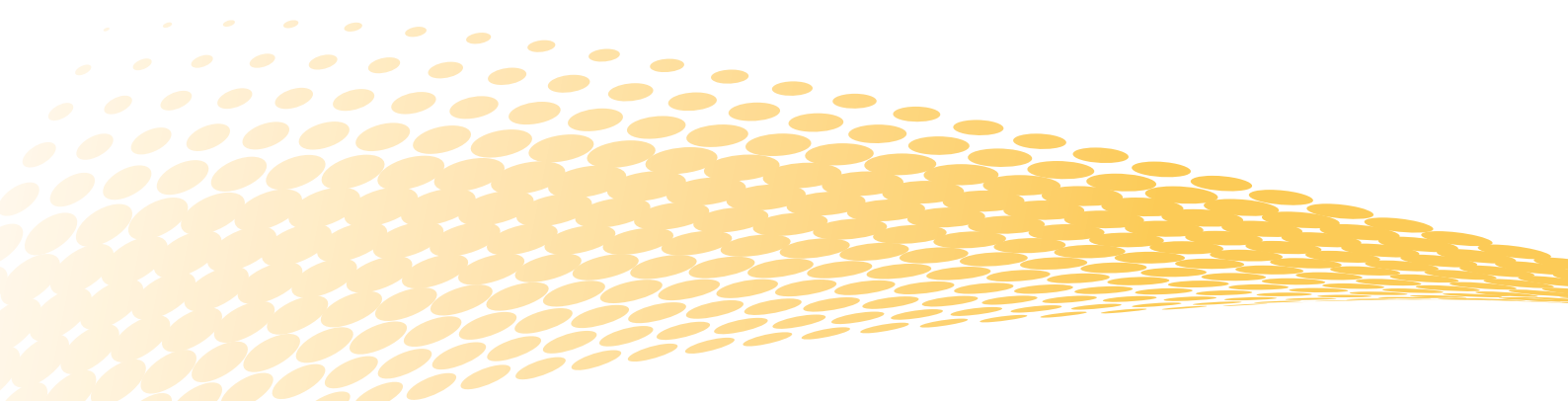
Cable type, Diameter and Length	4 mm <sup>2</sup> , TUV certified, 1,000 mm
Type of Connector	Compatible Type IV
Number, type and arrangement of cells	60 pcs, Mono-Crystalline Silicon (6x10)
Cell Size (mm)	156x156 (D200)
Dimension (mm)	1655x992x40
Weight (kg)	22.5
No. of Draining Holes in Frame	10
Color of frame	Black
Bypass-Diods	6
Glass, Type and Thickness	High Transmission, Low Iron, Tempered Glass 3.2 mm

## Packaging Configuration

Packing Configuration	Quantity/Pallet	Loading Capacity
24 pcs in box	48 pcs on pallet	624 pcs in container (40 ft)

## Absolute Ratings

Dielectric Insulation Voltage	Operating Temperature (°C)	Storage Temperature (°C)
3000 V	-40 ~ +85	-40 ~ +85



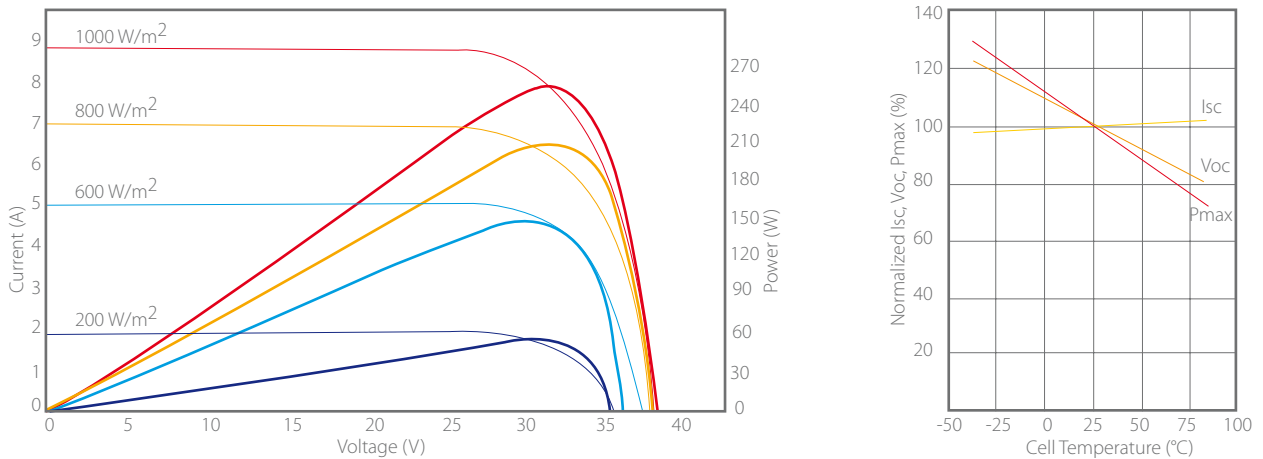
## Electrical Characteristics

All specified Parameters are at STC 25 °C Ambient, 1000 W/m<sup>2</sup> irradiance and AM 1.5

Type		JT235SCc (Black)	JT240SCc (Black)	JT245SCc (Black)	JT250SCc (Black)	JT255SCc (Black)
Max-Power	Pm(W)	235	240	245	250	255
Module Power Range	(W)	240 > Pm ≥ 235	245 > Pm ≥ 240	250 > Pm ≥ 245	255 > Pm ≥ 250	Pm ≥ 255
Power Tolerance	(W)	+0 ~ +5	+0 ~ +5	+0 ~ +5	+0 ~ +5	+0 ~ +5
Max-Power Voltage	Vm(W)	30.8	31.1	31.4	31.85	32.3
Max-Power Current	Im(A)	7.64	7.73	7.81	7.85	7.9
Short-Circuit Current	Isc(A)	8.55	8.65	8.75	8.85	8.9
Open-Circuit Voltage	Voc(V)	36.6	37	37.3	37.66	38.2
Max-System Voltage	(VDC)	600 V(UL)/1,000 V(IEC)				
Cell Efficiency	(%)	16.4	16.7	17.1	17.4	17.8
Module Efficiency	(%)	14.3	14.6	14.9	15.2	15.5
Max. Series Fuse	(A)	15				
Pm Temperature Coefficients	(W/°C)	-1.1041				
Isc temperature Coefficients	(A/°C)	0.00418				
Voc Temperature Coefficients	(V/°C)	-0.1261				
NOCT Nominal operating Cell Temperature		47 ±2 °C				

Maximum load rating: 5,400 Pa (112.78 lbf/ft<sup>2</sup>)

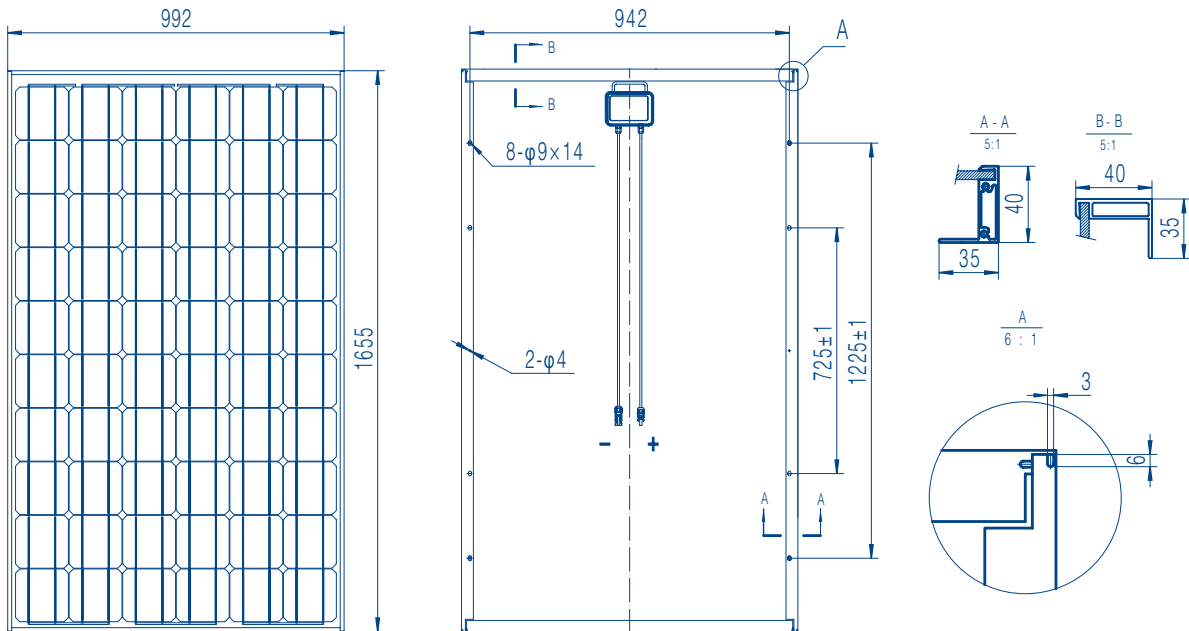
## I-V Curves



## I-V Curves at different Irradiances (AM 1.5 25 °C)

Specifications included in this datasheet are subject to change without prior notice

## Mechanical Specifications



## Certificates



IEC 61215.2 / IEC 61730



## Key Features

- 60 Mono-Crystalline solar cells
- Unique frame design to reinforce sealing and to prevent freezing and warping
- Strong aluminum frames to strengthen the load hold and to stand against high wind
- Special mounting holes on the frames for long and short side mounting
- High transparency low iron tempered glass with enhanced stiffness and impact resistance
- Advanced EVA encapsulation system with multilayer backsheets

## Applications/References

### Industrial

- 1.3 MW, Varna, Italy
- 950 kWp, Cerea, Italy
- 270 kWp, Schwarzbach, Germany

### Greenhouse

- 6 MW, Ferrara, Italy
- 5 MW to be built 1H 2011, Verona, Italy

### Carport

- 1.8 MW, Rimini, Italy
- 1.1 MW, Fasano, Italy
- 1.6 MW, Verona, Italy

### Solar Park

- 1.6 MW, Chillaron de Cuenca, Spain
- 1 MW, Langa, Spain
- 1 MW, Wirbenz, Germany



1 MW, Wirbenz, Germany



1.6 MW, Verona, Italy

**We offer the following guarantees in the case of proper use, installation and maintenance:**

### Product warranty

- 6 years + 1 month for materials and workmanship

### Performance warranty

- 5 years + 1 month from the date of purchase against a power drop exceeding 7 % of minimum power rating measured under STC
- 10 years + 1 month from the date of purchase against a power drop exceeding 10 % of minimum power rating measured under STC
- 25 years + 1 month from the date of purchase against a power drop exceeding 20 % of minimum power rating measured under STC



**JETION SOLAR CHINA**

Jetion Solar (China) Co., Ltd.  
No. 1011, Zhencheng Road  
Shengang, Jiangyin Municipality  
Jiangsu Province 214443  
Peoples Republic of China  
Phone: +86 510 8668 7300  
Fax: +86 510 8668 7315

E-Mail: [marketing@jetion.com.cn](mailto:marketing@jetion.com.cn)

[www.jetionsolar.com](http://www.jetionsolar.com)

**JETION SOLAR EUROPE**

Jetion Solar (Europe) Ltd.  
Industriering 10  
9491 Ruggell  
Liechtenstein

Phone: +423 265 3830  
Fax: +423 265 3839

E-Mail: [info@jetion.biz](mailto:info@jetion.biz)

[www.jetion.biz](http://www.jetion.biz)

**JETION SOLAR USA**

10900-A South Commerce Blvd  
Charlotte, NC 28273

Phone: +1 704 944 1069  
Toll free: 800 606 5869  
Fax: +1 704 944 1080

E-Mail: [info@jetionsolarus.com](mailto:info@jetionsolarus.com)

[www.JetionSolarUS.com](http://www.JetionSolarUS.com)

