

Visionary green energy

Black JT245SCc Series

Monocrystalline Solar Module

**There are no limits to what we can do.
Our possibilities are endless.**

You can buy solar technology anywhere today. But you don't receive the experience that is behind it. As a global company, Jetion has worked on new innovations and ideas since it was founded in 2004, contributing significantly to a clean and environmentally-friendly energy.

From highly efficient solar cells to complete solar energy installations, we offer sustainable solutions for increased performance and, at the same time, a healthier environment.

Jetion modules are particularly employed where long-term profitability, reliability and environmental issues are of great importance.



1 MW, Wirbenz, Germany

Specific conditions of guarantee and further information may be found at: www.jetion.biz



JETION
SOLAR

We guarantee the highest income, for a long life.

Product Warranty

- 12 years for materials and workmanship.

Peak Power Warranty

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

Plus-Sorting

- With this plus-sorting we ensure that our customers pay for the watts they receive and guarantee the highest efficiency.

Key Features

- 60 monocrystalline solar cells.
- Strong aluminum frames in order to improve the bearing capacity and withstand strong 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:

- Ground Installation
- Residential and Industrial Rooftops
- Carports



Electrical Features

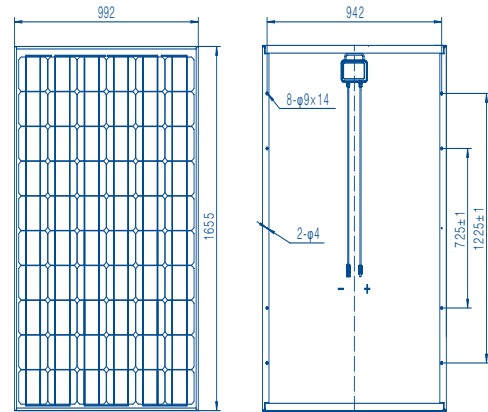
All parameters are given in relation to 25 °C ambient temperature, 1000 W/m² irradiance and AM 1.5

| Type | | JT230SCc (Black) | JT235SCc (Black) | JT240SCc (Black) | JT245SCc (Black) |
|--|---------------------|----------------------------|----------------------------|----------------------------|----------------------|
| Max-Power | P _m (W) | 230 | 235 | 240 | 245 |
| Modul Power Range | (W) | 235 > P _m ≥ 230 | 240 > P _m ≥ 235 | 245 > P _m ≥ 240 | P _m ≥ 245 |
| Power Tolerance | (W) | +0 ~ +5 | +0 ~ +5 | +0 ~ +5 | +0 ~ +5 |
| Max-Power Voltage | V _m (W) | 30.3 | 30.8 | 31.1 | 31.4 |
| Max-Power Current | I _m (A) | 7.6 | 7.64 | 7.73 | 7.81 |
| Short-Circuit Current | I _{sc} (A) | 8.5 | 8.55 | 8.65 | 8.75 |
| Open-Circuit Voltage | V _{oc} (V) | 36.1 | 36.6 | 37 | 37.3 |
| Max-System Voltage | (VDC) | 600 V(UL)/1.000 V(IEC) | | | |
| Cell Efficiency | (%) | 16.4 | 16.7 | 17.1 | 17.4 |
| Module Efficiency | (%) | 14 | 14.3 | 14.6 | 14.9 |
| Max. Series Fuse | (A) | 15 | | | |
| P _m Temperature Coefficients | (%/°C) | -0.4677 | | | |
| I _{sc} Temperature Coefficients | (%/°C) | 0.0492 | | | |
| V _{oc} Temperature Coefficients | (%/°C) | -0.3374 | | | |
| NOCT Nominal Operating Cell Temperature | | 45 ±2 °C | | | |

Maximum load rating: 5.400 Pa (112,78 lbf/ft²)

Mechanical Characteristics

| | |
|---------------------------------------|--|
| Cable type, Diameter and Length | 4 mm ² , TUV certified, 1.000 mm |
| Type of Connector | Compatible Type IV |
| Number, type and arrangement of cells | 60 pcs, monocrystalline silicone (6x10) |
| Cell size (mm) | 156x156 |
| Dimension (mm) | 1655x992x40 |
| Weight (kg) | 22.5 |
| No. of Draining Holes in Frame | 10 |
| Color of frame | Black |
| Bypass-Diodes | 6 |
| Glass, Type and Thickness | High Transmission, Low Iron Tempered Glass 3.2 mm |



Packaging Configuration

Packing Configuration: 24 pcs in box

Quantity/Pallet: 48 pcs on pallet

Loading Capacity: 624 pcs in container (40 ft)

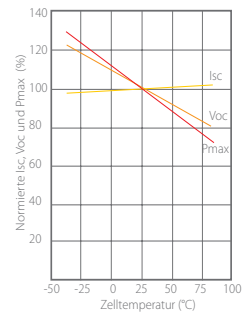
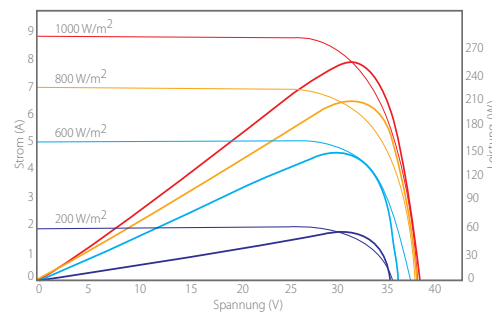
Absolute Ratings

Dielectric Insulation Voltage: 3000 V

Operating Temperature (°C): -40 ~ +85

Storage Temperature (°C): -40 ~ +85

I-V Kurven bei verschiedenen Beleuchtungsichten (AM 1,5; 25 °C)



Certificates

IEC 61215.2 / IEC 61730 /

UL 1703.3rd



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

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