

Poly JT220PDe Series

Polycrystalline Solar Module



Visonary green energy



JETION
SOLAR

Poly JT220PDe Series

JT220PDe, JT215PDe, JT205PDe, JT200PDe

Module

JT220PDe 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.

JT220PDe 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

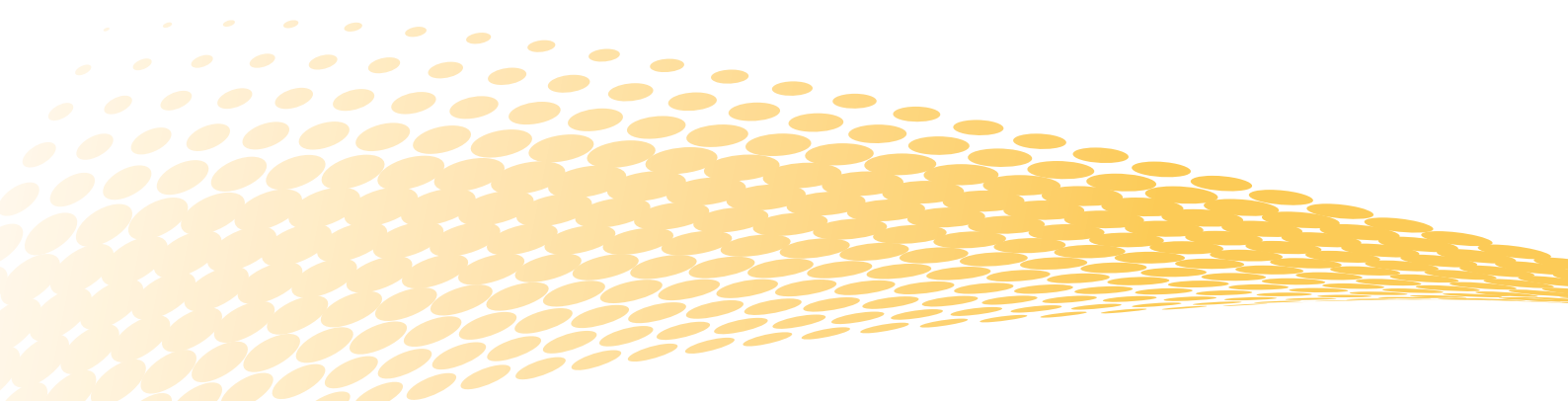
Cable type, Diameter and Length	4 mm ² , TUV certified, 1,000 mm
Type of Connector	Compatible Type IV
Number, type and arrangement of cells	54 pcs, Poly-Crystalline Silicon (6x9)
Cell Size (mm)	156x156
Dimension (mm)	1482x992x40
Weight (kg)	17
No. of Draining Holes in Frame	10
Bypass-Diods	6
Glass, Type 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	720 pcs in container (40 ft)

Absolute Ratings

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



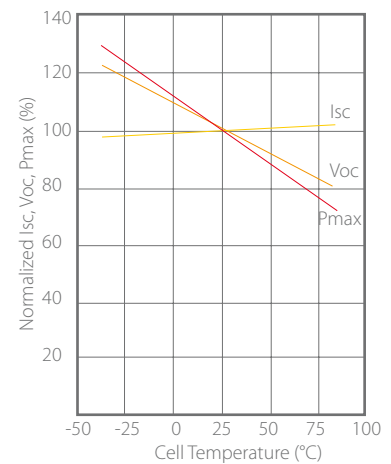
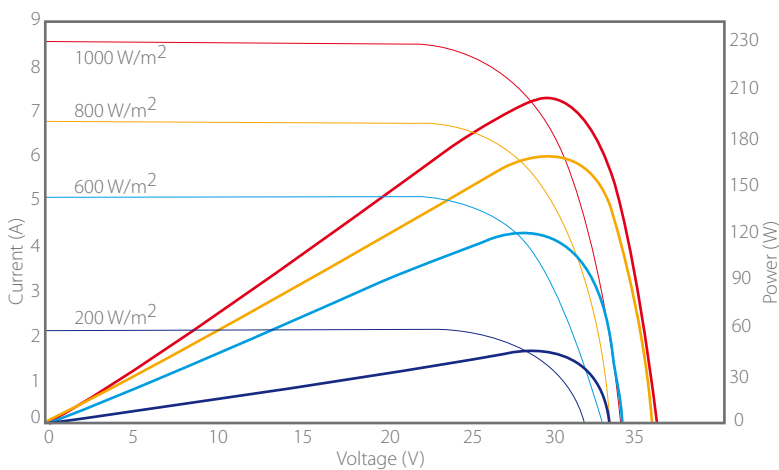
Electrical Characteristics

All specified Parameters are at STC 25 °C Ambient, 1000 W/m² irradiance and AM 1.5

Type		JT200PDe	JT205PDe	JT210PDe	JT215PDe	JT220PDe
Max-Power	Pm(W)	200	205	210	215	220
Module Power Range	(W)	205 > Pm ≥ 200	210 > Pm ≥ 205	215 > Pm ≥ 210	220 > Pm ≥ 215	Pm ≥ 220
Power Tolerance	(W)	+0 ~ +5	+0 ~ +5	+0 ~ +5	+0 ~ +5	+0 ~ +5
Max-Power Voltage	Vm(W)	26.84	27	27.3	27.6	27.9
Max-Power Current	Im(A)	7.45	7.6	7.7	7.8	7.9
Short-Circuit Current	Isc(A)	8.16	8.28	8.4	8.5	8.6
Open-Circuit Voltage	Voc(V)	32.7	33	33.3	33.8	34.2
Max-System Voltage	(VDC)	600 V(UL)/1,000 V(IEC)				
Cell Efficiency	(%)	15.2	15.6	16.0	16.4	16.7
Module Efficiency	(%)	13.6	14	14.28	14.6	14.96
Max. Series Fuse	(A)	15				
Pm Temperature Coefficients	(W/°C)	-1.171				
Isc temperature Coefficients	(A/°C)	0.0047				
Voc Temperature Coefficients	(V/°C)	-0.1437				
NOCT Nominal operating Cell Temperature		47 ±2 °C				

Maximum load rating: 5,400 Pa (112.78 lbf/ft²)

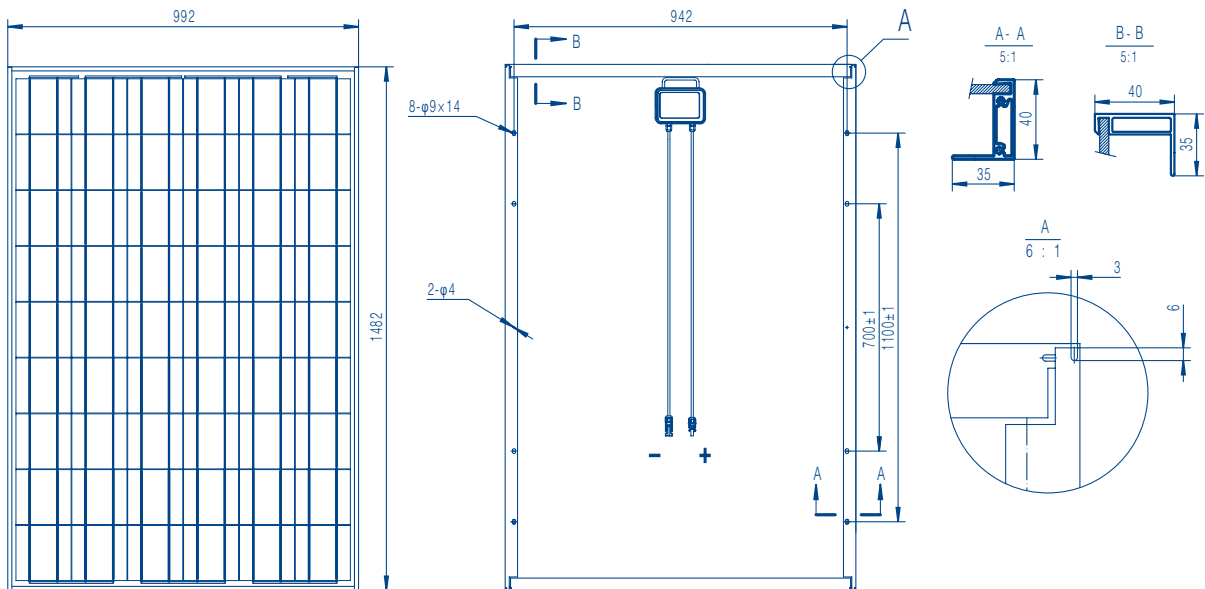
I-V Curves



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 / UL 1703.3rd



Key Features

- 54 Poly-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

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

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

www.JetionSolarUS.com

