

Module

JT220 S 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. JT220 S 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.

Key Features

- 96 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 to better product modules

Applications

- Large on and off-grid solar power stations
- Commercial/industrial building roof-top systems
- Residential roof-top systems
- Other industrial and commercial applications

Warranty

- 25 years limited warranty on power output
90% power output assurance for 10 years, and 80% power output assurance for 25 years.
5 years product warranty
Please refer to warranty certificate for warranty conditions in detail.

Certificates

- IEC 61215.2 / IEC 61730



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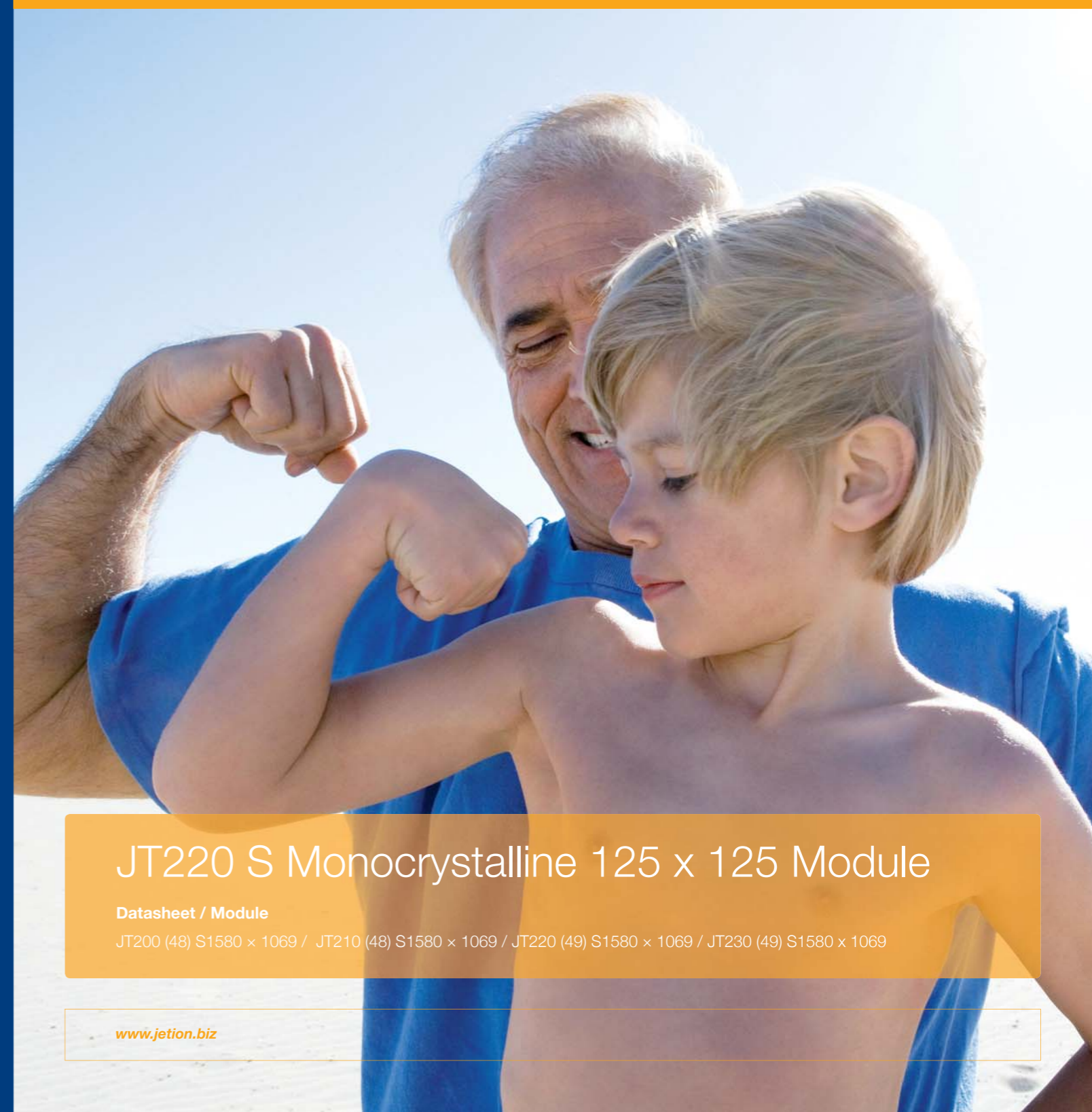
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JETION

*photovoltaic inspiration
visionary green energy*



JT220 S Monocrystalline 125 x 125 Module

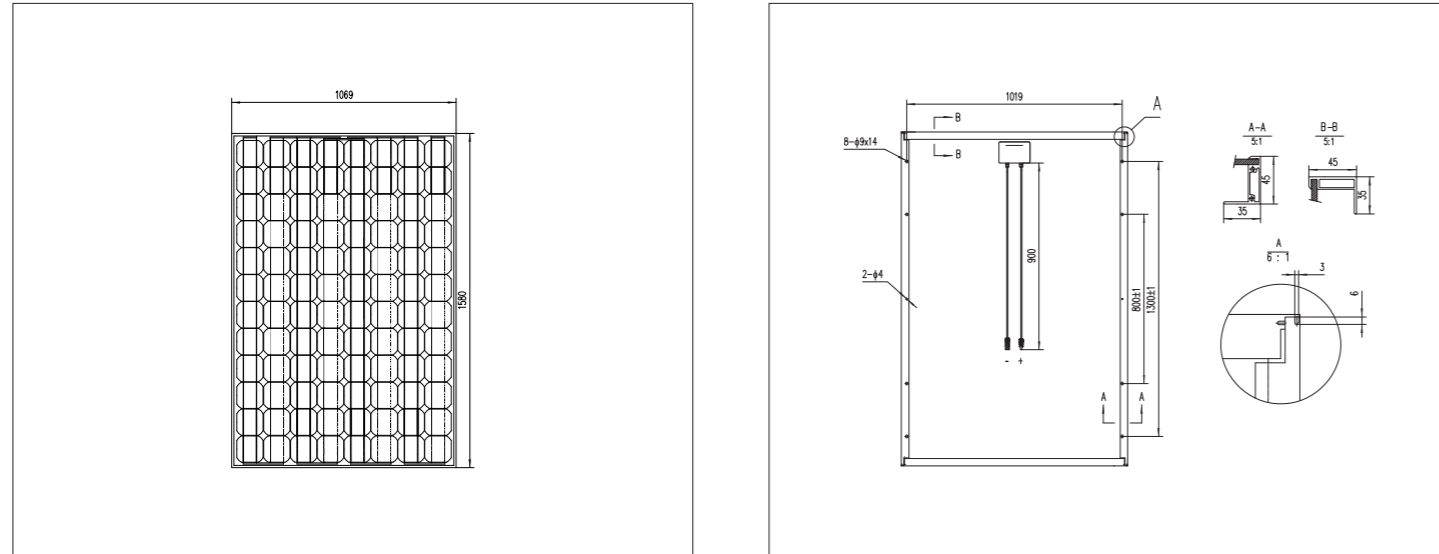
Datasheet / Module

JT200 (48) S1580 x 1069 / JT210 (48) S1580 x 1069 / JT220 (49) S1580 x 1069 / JT230 (49) S1580 x 1069

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JT220 S Monocrystalline 125 x 125 Module

Mechanical Specifications



Mechanical Characteristics

Certificates	VDE (IEC 61215 & IEC 61730), CE
Cell (mm)	125 x 125
Dimension (mm)	1580 x 1069 x 45
No of cells	8 x 12 / 96
Weight (kg)	25
Cable Type, Diameter and Length	4mm ² , TUV certified, 900mm
Type of Connector	Compatible Type IV and Type III
Junction box	IP65
No.of Draining Holes in Frame	10
Glass, Type and Thickness	High Transmis, Low Iron, Tempered Glass 3.2mm
Bypass-Diods	4

Limits

Tolerance	Operating Temperature	Mechanical Load	Maximum Series Fuse Rating	Dielectric Insulation Voltage
±3%	-40° to +85°C	< 5400 Pa	10 AMPS	3000V

Packaging Configuration

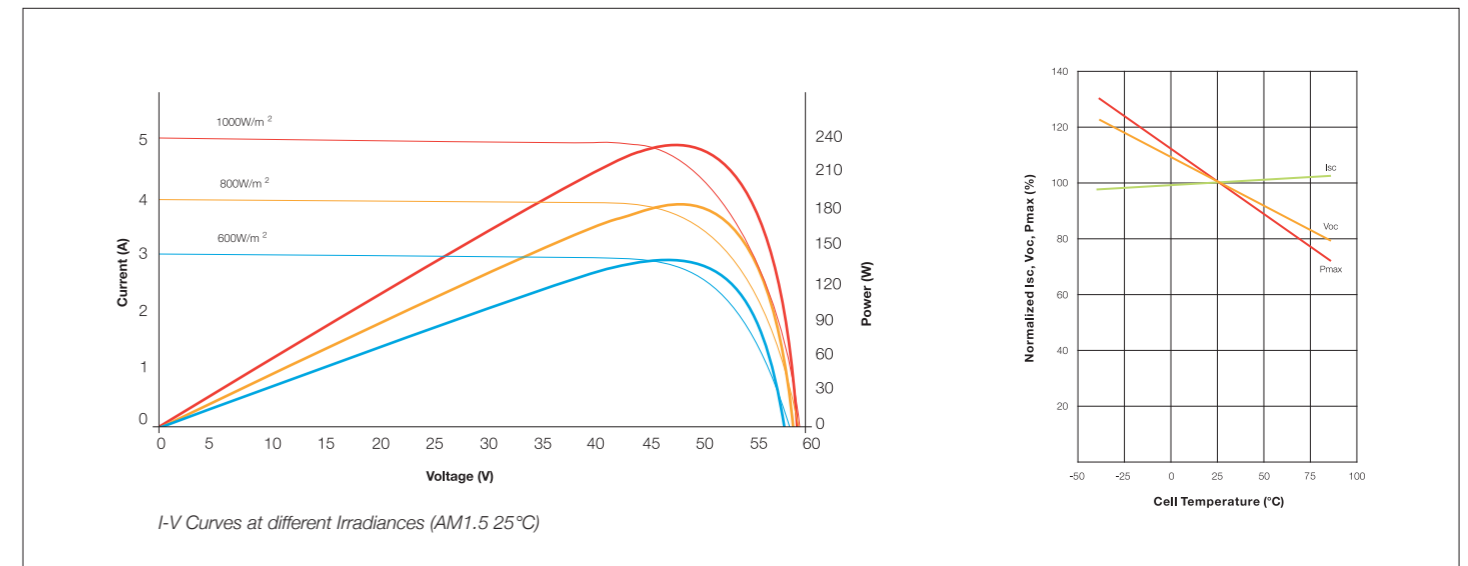
Packing Configuration	Quantity/Pallet	Loading
22 pcs/box	44 pcs/pallet	616 pcs/40ft(H)

JT220 S Monocrystalline 125 x 125 Module

Electrical Characteristics

type model	JT200 (48) S1580 x 1069	JT210 (48) S1580 x 1069	JT220 (49) S1580 x 1069	JT230 (49) S1580 x 1069
Max System Voltage (V)	1000V (IEC)			
Maximum Power at STC Pmax (W)	200	210	220	230
Optimum Operating Voltage Vmp (V)	47,5	48,1	48,5	49,2
Optimum Operating Current Imp (A)	4,21	4,37	4,54	4,67
Open - Circuit Voltage Voc (V)	57,8	58,3	58,6	59
Short - Circuit Current Isc (A)	4,8	4,91	4,93	5,03
Cell Efficiency (%)	14	14,7	15,4	16,1
Module Efficiency (%)	11,84	12,4	13	13,6
Maximum Reverse Current	Do not apply external voltages larger than Voc to the module			

I-V Curves



Temperature Coefficients

Voc	Isc	Pmax	Nominal Operating Cell Temperature NOCT
-0.347%/°C	0.055% / °C	-0.48% / °C	47 ± 2°C

All specified Parameters are at STC 25°C Ambient, 1000W/ m² irradiance and AM 1.5.
 Jetion reserves the right to make specification changes without notice.