

Module

JT080S series is a medium-powered module product ideal for roof top or ground mounted 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. JT080S 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

- 36 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

- Multi-purpose on and off-grid
- Commercial/industrial building roof-top systems
- Residential roof-top systems
- Pumps, beacons and lighting equipment

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 / Security Class II



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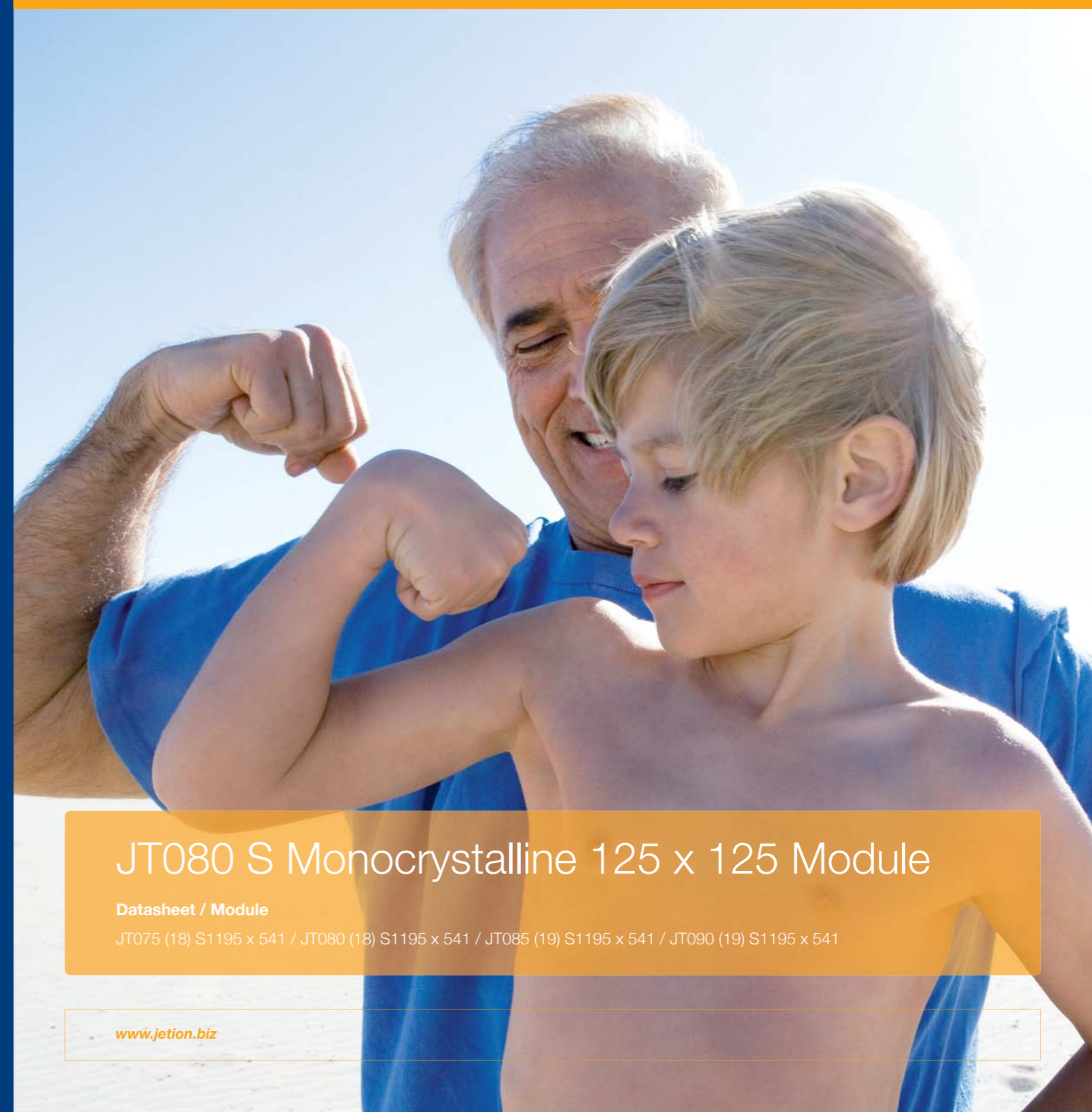
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JETION

*photovoltaic inspiration
visionary green energy*



JT080 S Monocrystalline 125 x 125 Module

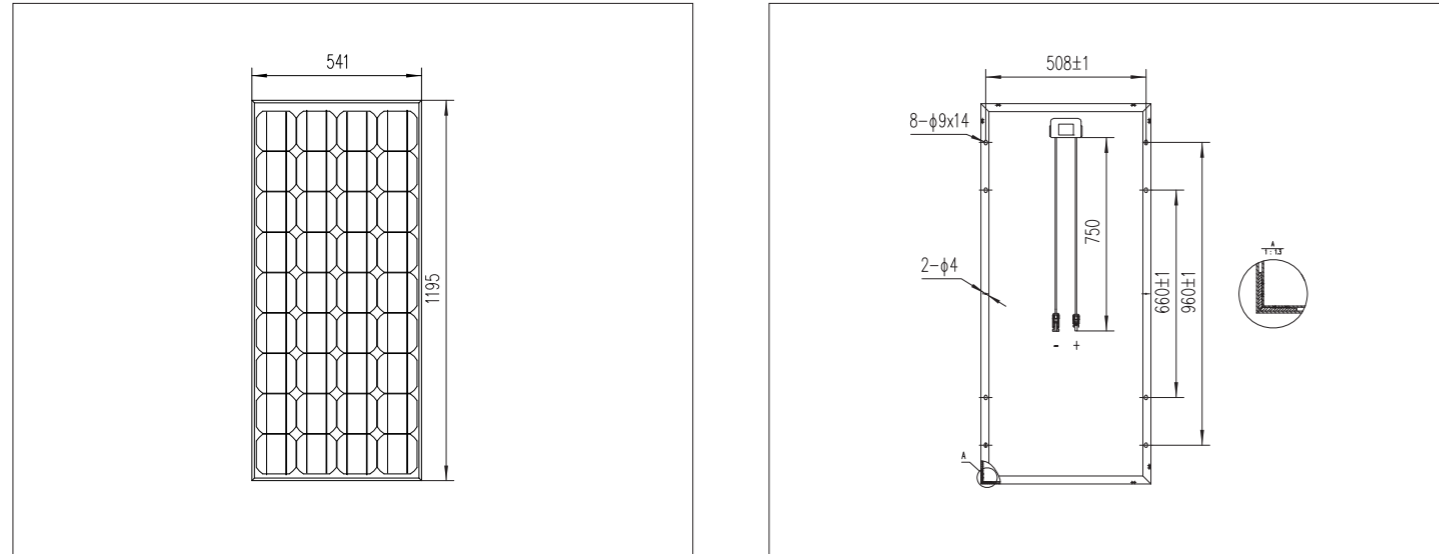
Datasheet / Module

JT075 (18) S1195 x 541 / JT080 (18) S1195 x 541 / JT085 (19) S1195 x 541 / JT090 (19) S1195 x 541

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JT080 S Monocrystalline 125 x 125 Module

Mechanical Specifications



Mechanical Characteristics

Certificates	TUV (IEC 61215 & Security Class II) ,CE
Cell (mm)	125 x 125
Dimension (mm)	1195 x 541 x 30
No of cells	4 x 9 / 36
Weight (kg)	8
Cable Type, Diameter and Length	4mm ² , TUV certified, 750mm
Type of Connector	Compatible Type IV
Junction box	IP65
No.of Draining Holes in Frame	8
Glass, Type and Thickness	High Transmis, Low Iron, Tempered Glass 3.2mm
Bypass-Diods	2

Limits

Tolerance	Operating Temperature	Mechanical Load	Maximum Series Fuse Rating	Dielectric Insulation Voltage
±3%	-40° to +85°C	< 2400 Pa	10 AMPS	3000V

Packaging Configuration

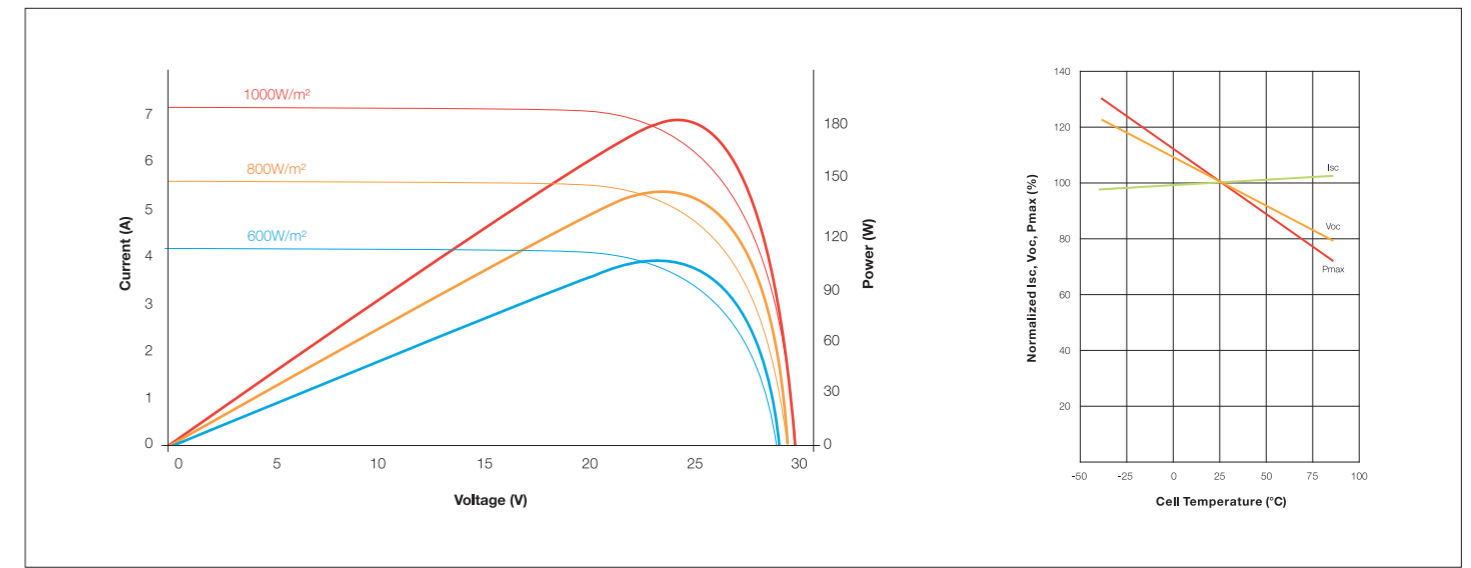
Packing Configuration	Quantity/Pallet	Loading
24 pcs/box	48 pcs/pallet	864 pcs/40ft

JT080 S Monocrystalline 125 x 125 Module

Electrical Characteristics

type model	JT075 (18) S1195x541	JT080 (18) S1195x541	JT085 (19) S1195x541	JT090 (19) S1195x541
Max System Voltage (V)	715 (IEC)			
Maximum Power at STC Pmax (W)	75	80	85	90
Optimum Operating Voltage Vmp (V)	17.8	18.2	18.5	18.5
Optimum Operating Current Imp (A)	4.22	4.4	4.59	4.86
Open - Circuit Voltage Voc (V)	21.6	22.1	22.2	22.4
Short - Circuit Current Isc (A)	4.72	4.89	5.14	5.3
Cell Efficiency (%)	14	14.95	15.9	16.8
Module Efficiency (%)	11.6	12.37	13.15	13.92
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 47 ± 2°C
-0.37%/°C	0.06% / °C	-0.43% / °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.