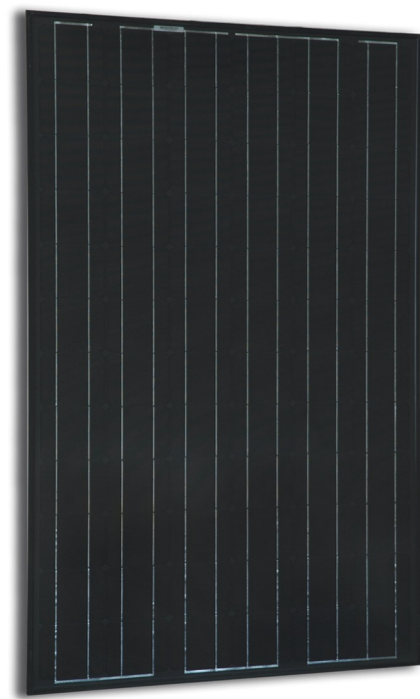


JT185 SAb (Black)

Mono-crystalline 125 x 125 Module



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Key Features

- Guaranteed positive tolerance $0/+5w$ ensures power output reliability
- Strong aluminum frames module can bear snow loads up to 5400Pa and wind loads up to 2400Pa.
- Excellent performance under low light environments(mornings evenings and cloudy days).
- 12 years for product defects in materials and workmanship and 25 years for 80% of warranted minimum power.
- Certifications and standards: IEC61215, IEC61730, conformity to CE.
- Manufactured according to International Quality and Environment Management System (ISO9001,ISO14001).

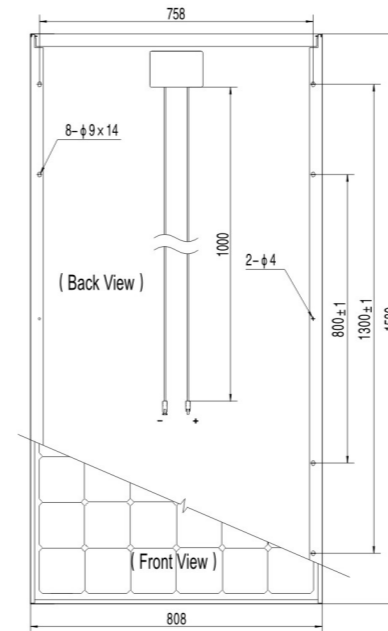


All specified Parameters are at STC 25°C Ambient, 1000W/ m² irradiance and AM 1.5

Electrical Characteristics

Type		JT175SAb(Black)	JT180SAb(Black)	JT185SAb(Black)	JT190SAb(Black)
Module Power Range	(W)	180 > P _m ≥ 175	185 > P _m ≥ 180	190 > P _m ≥ 185	195 > P _m ≥ 190
Max-Power	P _m (W)	175	180	185	190
Max-Power Voltage	V _m (V)	35.3	36	36.27	36.5
Max-Power Current	I _m (A)	4.96	5	5.1	5.2
Open-Circuit Voltage	V _{oc} (V)	44.2	44.8	45	45.2
Short-Circuit Current	I _{sc} (A)	5.2	5.3	5.5	5.6
Module Efficiency	(%)	13.7	14.1	14.5	14.9
Max-System Voltage	(VDC)	600V(UL)/1000V(IEC)			
Max.Series Fuse	(A)	10			
P _m Temperature Coefficients	(%/°C)	-0.4601			
I _{sc} Temperature Coefficients	(%/°C)	0.0981			
V _{oc} Temperature Coefficients	(%/°C)	-0.5186			
NOCT Nominal Operating Cell Temperature		45 ± 2°C			
Maximum load rating)		5400Pa(112.78lbf/ft ²)			

Class AAA solar simulator(IEC 60904-4) , power measurement uncertainty is within ± 3%



Packaging Configuration

Packing Configuration	24 pcs/box or 2 pcs/box
Quantity/Pallet	50 pcs/pallet
Loading Capacity	700 pcs/40ft

Absolute Ratings

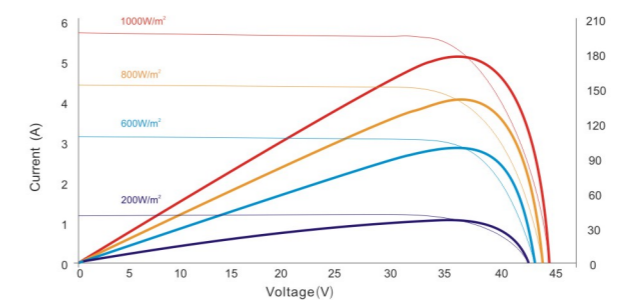
Dielectric Insulation Voltage	3000V
Operating Temperature (°C)	-40~+85
Storage Temperature (°C)	-40~+85

NOCT

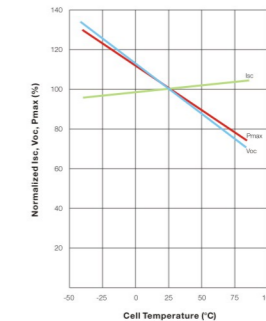
JT180 SAb (Black) JT185 SAb (Black)

Max-Power	P _m (W)	132	135
Max-Power Voltage	V _m (V)	32.9	32.9
Max-Power Current	I _m (A)	4	4.1
Open-Circuit Voltage	V _{oc} (V)	40.8	41.1
Short-Circuit Current	I _{sc} (A)	4.3	4.5

I-V Curves at different Irradiances



Temperature Coefficients



Mechanical Characteristics

Cable type, Diameter and Length	4mm ² , TUV certified, 1000mm
Type of Connector	Compatible with MC4 plug
Number, type and arrangement of cells	72pcs, Mono-Crystalline Silicon(6 × 12)
Cell Size	(mm) 125 × 125 (D165)
Dimension	(mm) 1580 × 808 × 40
Weight	(Kg) 15.5
No. of Draining Holes in Frame	10
Color of frame	Black
Glass, Type and Thickness	High Transmission, Low Iron, Tempered Glass 3.2mm

NOCT: Irradiance 800W/m², ambient temperature 20 °C, AM=1.5, wind speed 1m/s

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