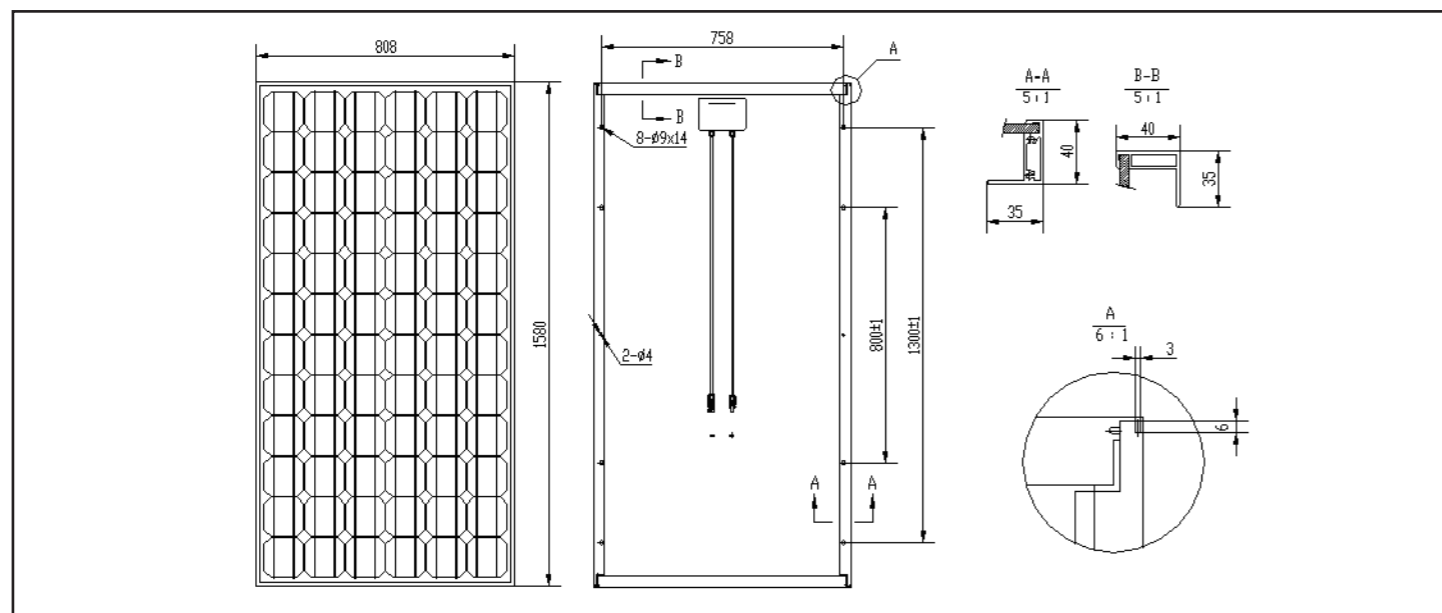


Monocrystalline Solar Module – DX190SAa (Black)



Electrical Characteristics

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

Type	DX175SAa(Black) DX175SAb(Black)	DX180SAa(Black) DX180SAb(Black)	DX85SAa(Black) DX185SAb(Black)	DX190SAa(Black) DX190SAb(Black)
Max-Power P _m (W)	175	180	185	190
Module Power Range (W)	180 > P _m ≥ 175	185 > P _m ≥ 180	190 > P _m ≥ 185	P _m ≥ 190
Power Tolerance (W)	+0~+5	+0~+5	+0~+5	+0~+5
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
Short-Circuit Current I _{sc} (A)	5.2	5.3	5.5	5.6
Open-Circuit Voltage V _{oc} (V)	44.2	44.8	45	45.2
Max-System Voltage (VDC)	600V(UL)/1000V(IEC)			
Cell Efficiency (%)	16.7/16.0	17.2/16.5	17.6/16.9	18.1/17.4
Module Efficiency (%)	13.7	14.1	14.5	14.9
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/ft²)

Monocrystalline Solar Module – DX190Ab (Black)

Mechanical Characteristics

Cable type,Diameter and Length	4mm ² ,TUV certified,1000mm
Type of Connector	Compatible Type IV
Number,type and arrangement of cells	72pcs,Mono-Crystalline Silicon(6×12)
Cell Size (mm)	JT190SAa(Black) 125×125 (D150) JT190SAb(Black) 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

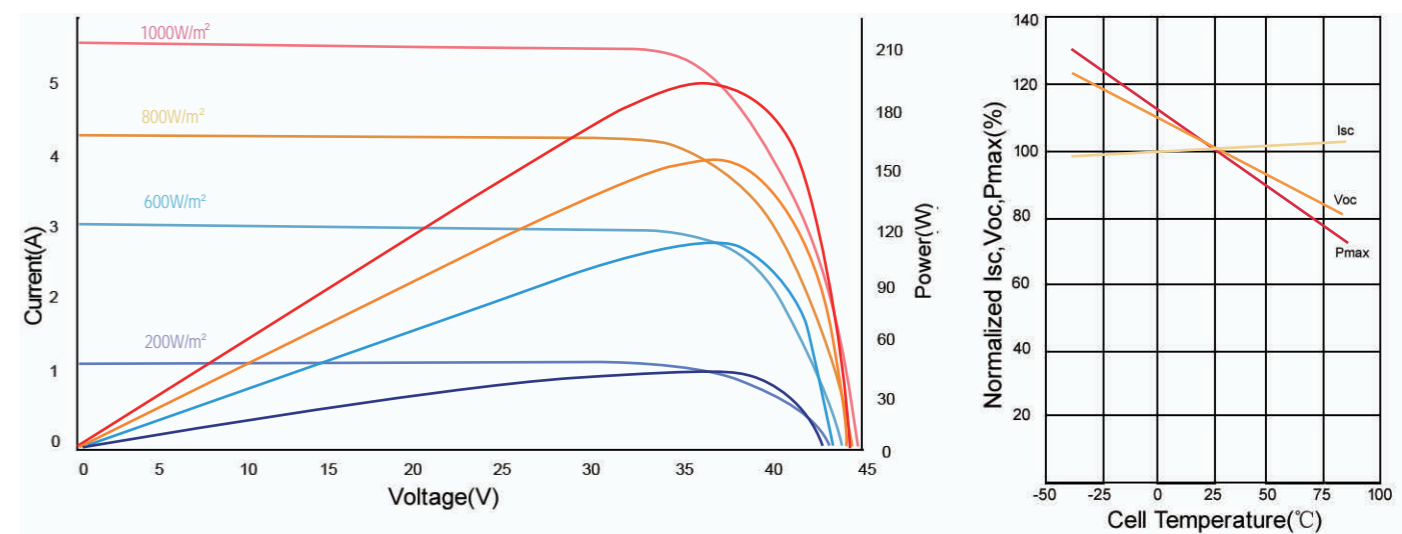
Packaging Configuration

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

I-V Curves



I-V Curves at different Irradiances (AM1.5 25°C)

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