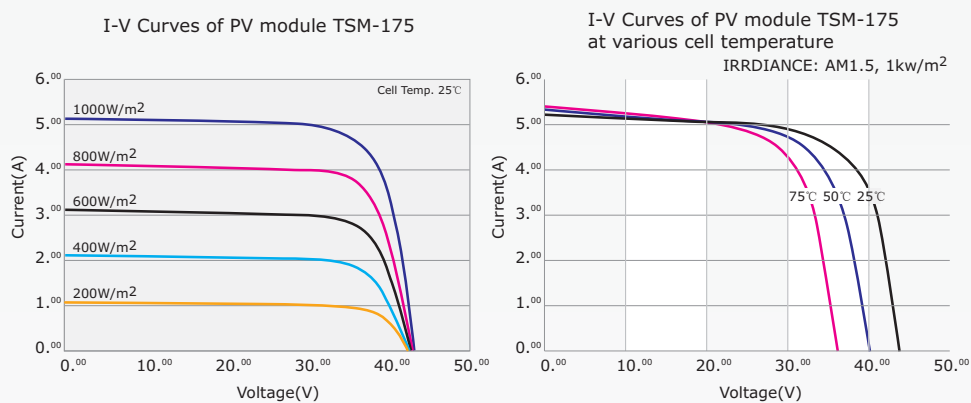


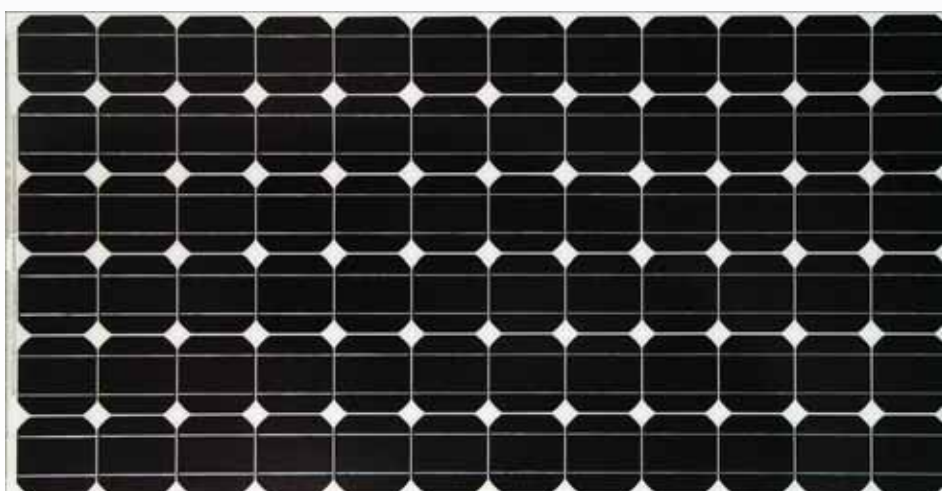
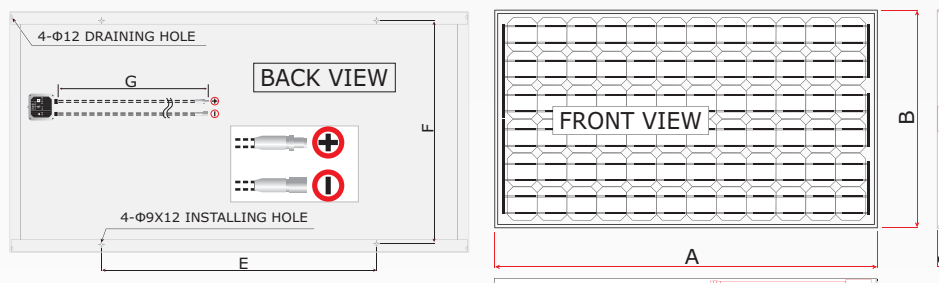
TRINA TSM-175D

Photovoltaic Solar Module

I-V Curves



Dimensions



TRINA TSM-175D

Photovoltaic Solar Module

ELECTRICAL CHARACTERISTICS

Typical Type	TSM-175D
Max-Power Pm(W)	175
Max-Power Voltage Vm(V)	36.2
Max-Power Current Im(A)	4.85
Open-Circuit Voltage Voc(V)	43.9
Short-Circuit Current Isc(A)	5.30
Max-System Voltage (VDC)	700
Cell Efficiency (η_c)	16.5%
Module Efficiency (η_m)	13.8%
Cell Size (mm)	125*125
Cell and Connections	Mono-crystalline silicon, 72 in series
Max. Series Fuse	7A
Pm Temperature Coefficient	-0.43%/°C
Voc Temperature Coefficient	-(150±10)mV/°C
Isc Temperature Coefficient	(2.7±0.5)mA/°C
Test Condition	STC:AM=1.5, 1000W/m2, Cells Temperature 25°C

MECHANICAL CHARACTERISTICS

Dimension(mm)A*B*C	1581*809*40
Installing hole(mm)E*F	948*754
Cable Length G	900mm
Weight(Kg)	15.6Kg
Packing Configuration	2 pcs per carton
Pallet Quantity	38 pcs/pallet
Loading Capacity	532 pcs/40ft; 266pcs/20ft

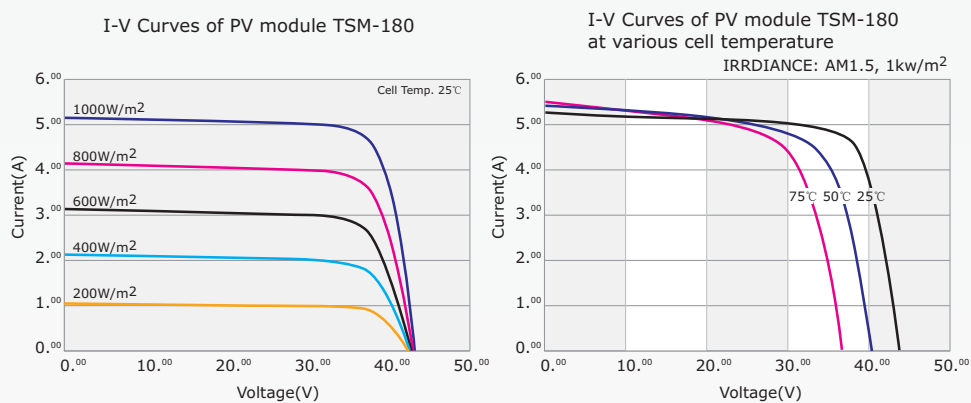
ABSOLUTE MAXIMUM RATINGS

Operating Temperature	-40~+85°C
Storage Temperature	-40~+85°C
Dielectric Insulation Voltage	2400 VDC max.

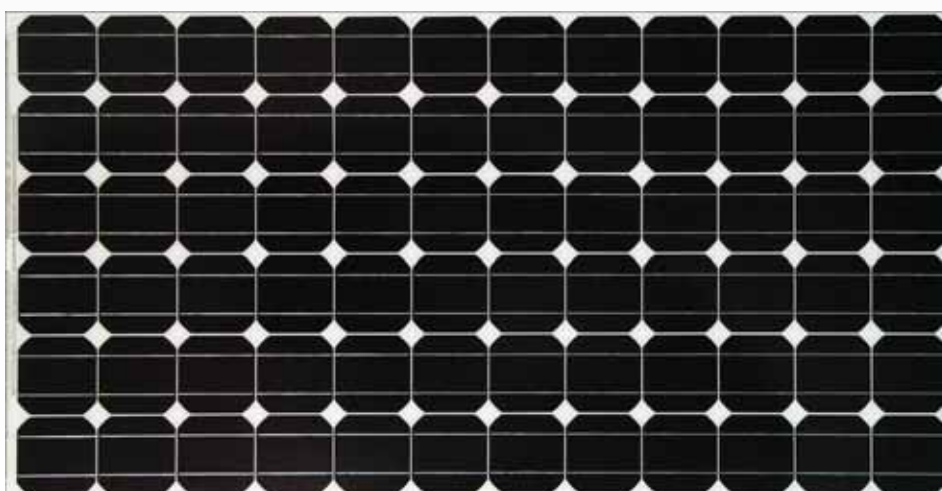
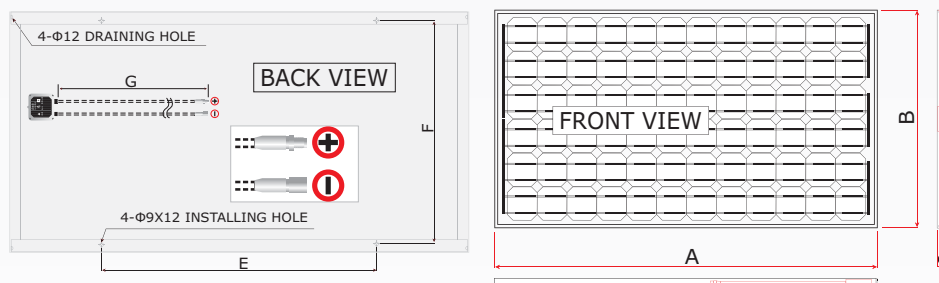
TRINA TSM-180D

Photovoltaic Solar Module

I-V Curves



Dimensions



TRINA TSM-180D

Photovoltaic Solar Module

ELECTRICAL CHARACTERISTICS

Typical Type	TSM-180D
Max-Power Pm(W)	180
Max-Power Voltage Vm(V)	36.8
Max-Power Current Im(A)	4.90
Open-Circuit Voltage Voc(V)	44.2
Short-Circuit Current Isc(A)	5.35
Max-System Voltage (VDC)	700
Cell Efficiency (η_c)	17.0%
Module Efficiency (η_m)	14.2%
Cell Size (mm)	125*125
Cell and Connections	Mono-crystalline silicon, 72 in series
Max. Series Fuse	7A
Pm Temperature Coefficient	-0.43%/°C
Voc Temperature Coefficient	-(150±10)mV/°C
Isc Temperature Coefficient	(2.7±0.5)mA/°C
Test Condition	STC:AM=1.5, 1000W/m2, Cells Temperature 25°C

MECHANICAL CHARACTERISTICS

Dimension(mm)A*B*C	1581*809*40
Installing hole(mm)E*F	948*754
Cable Length G	900mm
Weight(Kg)	15.6Kg
Packing Configuration	2 pcs per carton
Pallet Quantity	38 pcs/pallet
Loading Capacity	532 pcs/40ft; 266pcs/20ft

ABSOLUTE MAXIMUM RATINGS

Operating Temperature	-40~+85°C
Storage Temperature	-40~+85°C
Dielectric Insulation Voltage	2400 VDC max.