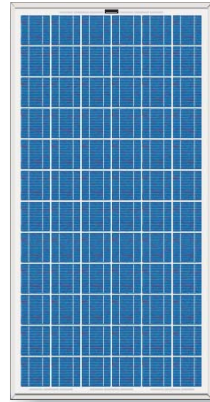


SOLAR MODULES

STP175-24/Ac

STP180-24/Ac
STP170-24/Ac



Specifications

Cell	Multicrystalline silicon solar cells 125mm×125mm
No. of cells and connections	72 (6×12)
Dimension of module(mm)	1580×808×35
Weight	15.5 kg

Characteristics

Model	STP180-24/Ac	STP175-24/Ac	STP170-24/Ac
Open circuit voltage (Voc)	44.8V	44.2V	42.8V
Optimum operating voltage(Vmp)	36V	35.2V	34.1 V
Short circuit current(Isc)	5.3A	5.2A	5.32A
Optimum operating current(Imp)	5A	4.95A	4.99A
Maximum power at STC(Pm)	180Wp	175Wp	170Wp

STC:Irradiance 1000W/m²,Module temperature 25°C,AM=1.5

Limits

Operating temperature	-40 to +85°C
Maximum system voltage	1000 V DC

Temperature and Coefficients

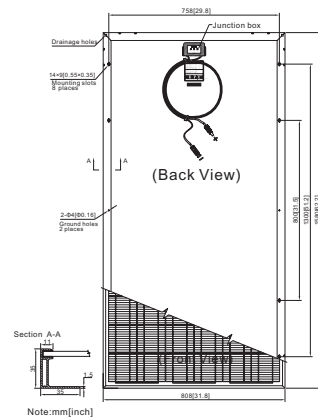
NOCT	48°C ± 2°C	
Current temperature coefficient	%/K	0.06 ± 0.01
Voltage temperature coefficient	mV/K	-(155 ± 10)
Power temperature coefficient	%/K	-(0.5 ± 0.05)

NOCT: Nominal Operation Cell Temperature

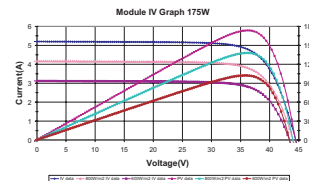
Output

Type of output terminal	Junction box
Cable	LAPP(4.0mm ²)
Asymmetrical lengths	1200mm(-) and 800mm(+)
Connection	Suntech Plug Type IV

Blueprint of the module



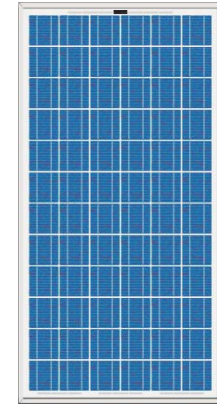
Characteristics



SOLAR MODULES

STP160-24/Ac

STP150-24/Ac
STP140-24/Ac



Specifications

Cell	Multicrystalline silicon solar cells 125mm×125mm
No. of cells and connections	72 (6×12)
Dimension of module(mm)	1580×808×35
Weight	15.5 kg

Characteristics

Model	STP160-24/Ac	STP150-24/Ac	STP140-24/Ac
Open circuit voltage (Voc)	42.4V	42V	42V
Optimum operating voltage(Vmp)	33.5 V	33.2 V	33.2 V
Short circuit current(Isc)	5.12A	5A	4.78A
Optimum operating current(Imp)	4.78A	4.52A	4.22A
Maximum power at STC(Pm)	160Wp	150Wp	140Wp

STC:Irradiance 1000W/m²,Module temperature 25°C,AM=1.5

Limits

Operating temperature	-40 to +85°C
Maximum system voltage	1000 V DC

Temperature and Coefficients

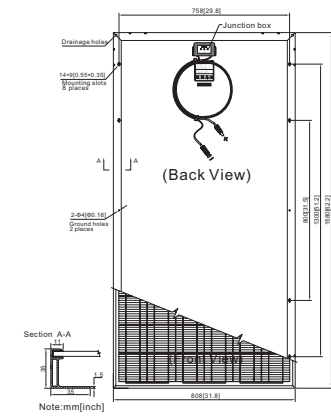
NOCT	48°C ± 2°C	
Current temperature coefficient	%/K	0.06 ± 0.01
Voltage temperature coefficient	mV/K	-(155 ± 10)
Power temperature coefficient	%/K	-(0.5 ± 0.05)

NOCT: Nominal Operation Cell Temperature

Output

Type of output terminal	Junction box
Cable	LAPP(4.0mm ²)
Asymmetrical lengths	1200mm(-) and 800mm(+)
Connection	Suntech Plug Type IV

Blueprint of the module



Characteristics

