

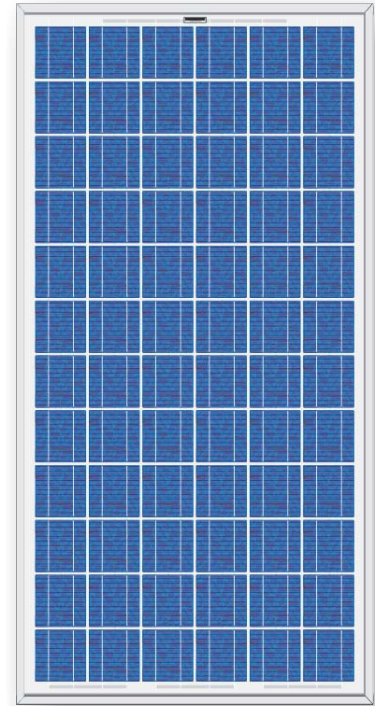
SOLAR MODULES

STP280-24/Vb

STP270-24/Vb

STP260-24/Vb

STP250-24/Vb



Specifications

Cell	Multicrystalline silicon solar cells 156mm×156mm
No. of cells and connections	72 (6×12)
Dimension of module(mm)	1956×992×50
Weight	23 kg

Characteristics

Model	STP280-24/Vb	STP270-24/Vb	STP260-24/Vb	STP250-24/Vb
Open circuit voltage (Voc)	43.8V	43.8V	43.6V	43.2V
Optimum operating voltage(Vmp)	35.2 V	35.2 V	34.8 V	34.4 V
Short circuit current(Isc)	8.3A	8.1A	7.9A	7.82A
Optimum operating current(Imp)	7.95A	7.67A	7.47A	7.27A
Maximum power at STC(Pm)	280Wp	270Wp	260Wp	250Wp

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

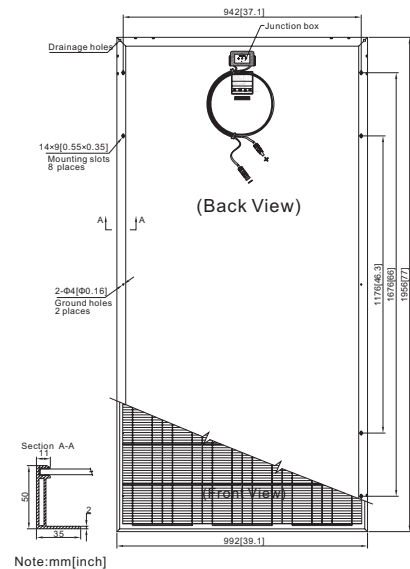
NOCT	48°C ± 2°C	
Current temperature coefficient	%/K	0.06 ± 0.01
Voltage temperature coefficient	mV/K	-(155 ± 10)
Power temperature coefficient	%/K	-(0.5 ± 0.05)

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

