

SOLAR MODULES

STP130-12/Tb

STP140-12/Tb
STP135-12/Tb
STP120-12/Tb
STP110-12/Tb



Specifications

Cell	Multicrystalline silicon solar cells 156mm×156mm
No. of cells and connections	36 (4×9)
Dimension of module(mm)	1482×676×35
Weight	12 kg

Characteristics

Model	STP140-12/Tb	STP135-12/Tb	STP130-12/Tb	STP120-12/Tb	STP110-12/Tb
Open circuit voltage (Voc)	22.1V	21.9V	21.8V	21.6V	21V
Optimum operating voltage(Vmp)	17.6 V	17.4 V	17.2 V	17.2 V	17 V
Short circuit current(Isc)	8.1A	8A	7.85A	7.7A	7.48A
Optimum operating current(Imp)	7.95A	7.76A	7.56A	6.98A	6.47A
Maximum power at STC(Pm)	140Wp	135Wp	130Wp	120Wp	110Wp

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

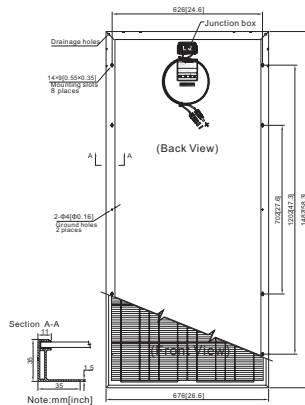
NOCT	48°C ± 2°C	
Current temperature coefficient	%/K	0.06 ± 0.01
Voltage temperature coefficient	mV/K	-(78 ± 10)
Power temperature coefficient	%/K	-(0.5 ± 0.05)

NOCT: Nominal Operation Cell Temperature

Output

Type of output terminal	Junction box
Cable	LAPP(4.0mm ²)
Lengths	750mm(-) and 750mm(+)
Connection	Suntech Plug Type IV

Blueprint of the module



Characteristics

