

SOLAR MODULES

STP080S-12/Bb

STP090S-12/Bb
STP085S-12/Bb
STP075S-12/Bb



Specifications

Cell	Monocrystalline silicon solar cells 125mm×125mm
No. of cells and connections	36 (4×9)
Dimension of module(mm)	1195×541×30
Weight	8 kg

Characteristics

Model	STP090S-12/Bb	STP085S-12/Bb	STP080S-12/Bb	STP075S-12/Bb
Open circuit voltage (Voc)	22.4V	21.9V	21.6V	21.6V
Optimum operating voltage(Vmp)	18 V	17.6 V	17.2 V	17.2 V
Short circuit current(Isc)	5.3A	5.14A	5A	4.87A
Optimum operating current(Imp)	5A	4.83A	4.65A	4.36A
Maximum power at STC(Pm)	90Wp	85Wp	80Wp	75Wp

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

Limits

Operating temperature	-40 to +85°C
Maximum system voltage	715 V DC

Temperature and Coefficients

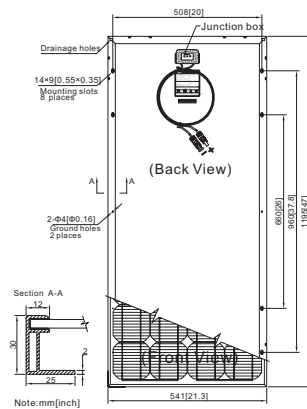
NOCT		48°C±2°C	
Current temperature coefficient	%/K	0.06 ± 0.01	
Voltage temperature coefficient	mV/K	-(78 ± 10)	
Power temperature coefficient	%/K	-(0.5 ± 0.05)	

NOCT: Nominal Operation Cell Temperature

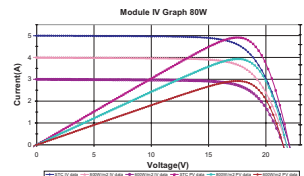
Output

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

Blueprint of the module



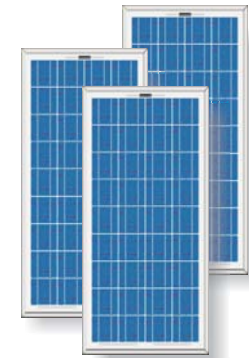
Characteristics



SOLAR MODULES

STP080-12/Bb

STP085-12/Bb
STP075-12/Bb



Specifications

Cell	Multicrystalline silicon solar cells 125mm×125mm
No. of cells and connections	36 (4×9)
Dimension of module(mm)	1195×541×30
Weight	8 kg

Characteristics

Model	STP085-12/Bb	STP080-12/Bb	STP075-12/Bb
Open circuit voltage (Voc)	21.4V	21.2V	21V
Optimum operating voltage(Vmp)	17.1 V	16.8 V	16.6 V
Short circuit current(Isc)	5.32A	5.12A	5A
Optimum operating current(Imp)	4.97A	4.76A	4.52A
Maximum power at STC(Pm)	85Wp	80Wp	75Wp

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

Limits

Operating temperature	-40 to +85°C
Maximum system voltage	715 V DC

Temperature and Coefficients

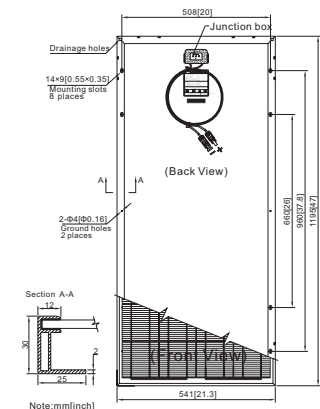
NOCT		48°C±2°C	
Current temperature coefficient	%/K	0.06 ± 0.01	
Voltage temperature coefficient	mV/K	-(78 ± 10)	
Power temperature coefficient	%/K	-(0.5 ± 0.05)	

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

