

## SOLAR MODULES

# STP080S-12/Bb

STP085S-12/Bb

STP075S-12/Bb

STP070S-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	STP085S-12/Bb	STP080S-12/Bb	STP075S-12/Bb	STP070S-12/Bb
Open circuit voltage (Voc)	21.9V	21.6V	21.6V	21V
Optimum operating voltage(Vmp)	17.6 V	17.2 V	17.2 V	17 V
Short circuit current(Isc)	5.14A	5A	4.87A	4.75A
Optimum operating current(Imp)	4.83A	4.65A	4.36A	4.12A
Maximum power at STC(Pm)	85Wp	80Wp	75Wp	70Wp

STC: Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

### Limits

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

### Temperature and Coefficients

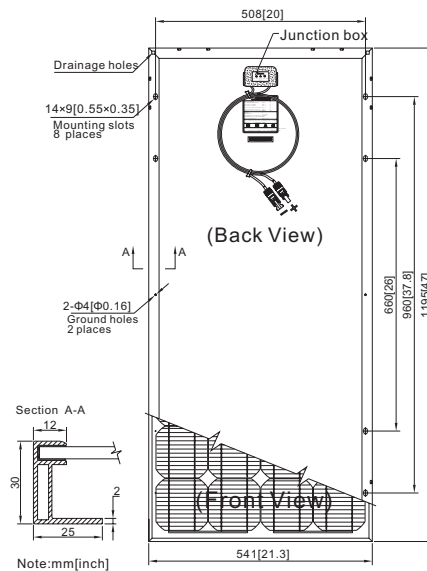
NOCT	48°C±2°C	
Current temperature coefficient	%/K	0.06 ± 0.01
Voltage temperature coefficient	mV/K	-( 75 ±10)
Power temperature coefficient	%/K	-(0.5±0.05)

NOCT: Nominal Operation Cell Temperature

### Output

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

### Blueprint of the module



### Characteristics

