

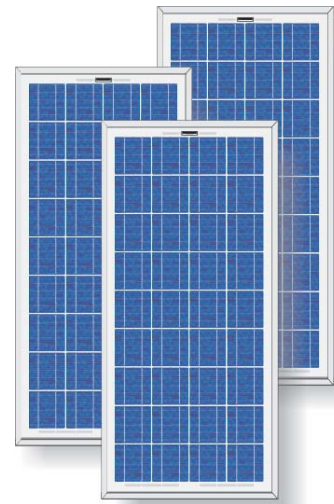
SOLAR MODULES

STP080-12/Bb

STP085-12/Bb

STP075-12/Bb

STP070-12/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 | STP070-12/Bb |
|--------------------------------|--------------|--------------|--------------|--------------|
| Open circuit voltage (Voc) | 21.4V | 21.2V | 21V | 21V |
| Optimum operating voltage(Vmp) | 17.1 V | 16.8 V | 16.6 V | 16.6 V |
| Short circuit current(Isc) | 5.32A | 5.12A | 5A | 4.78A |
| Optimum operating current(Imp) | 4.97A | 4.76A | 4.52A | 4.22A |
| Maximum power at STC(Pm) | 85Wp | 80Wp | 75Wp | 70Wp |

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

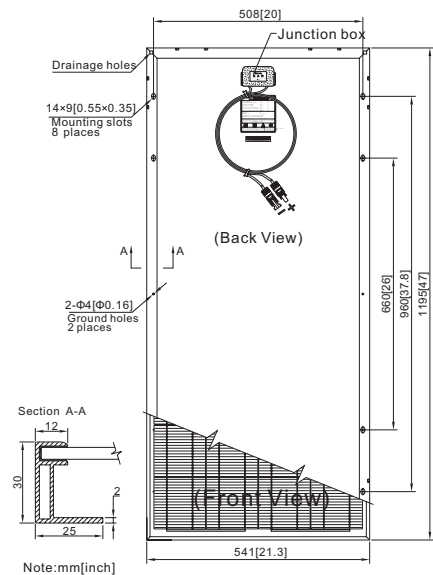
| NOCT | 48°C±2°C | |
|---------------------------------|----------|---------------|
| Current temperature coefficient | %/K | 0.06 ± 0.01 |
| Voltage temperature coefficient | mV/K | -(155 ± 10) |
| Power temperature coefficient | %/K | -(0.5 ± 0.05) |

NOCT: Nominal Operation Cell Temperature

Output

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

Blueprint of the module



Characteristics

