

SOLAR MODULES

STP165S-24/Ac

STP175S-24/Ac
STP170S-24/Ac
STP160S-24/Ac
STP155S-24/Ac



Specifications

| | |
|------------------------------|--|
| Cell | Monocrystalline silicon solar cells 125mm×125mm |
| No. of cells and connections | 72 (6×12) |
| Dimension of module(mm) | 1580×808×35 |
| Weight | 15.5 kg |

Characteristics

| Model | STP175S-24/Ac | STP170S-24/Ac | STP165S-24/Ac | STP160S-24/Ac | STP155S-24/Ac |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|
| Open circuit voltage (Voc) | 44.2V | 43.8V | 43.6V | 43.2V | 43.2V |
| Optimum operating voltage(Vmp) | 35.2 V | 35.2 V | 34.8 V | 34.4 V | 34.4 V |
| Short circuit current(Isc) | 5.2A | 5.14A | 5.04A | 5A | 4.9A |
| Optimum operating current(Imp) | 4.95A | 4.83A | 4.74A | 4.65A | 4.51A |
| Maximum power at STC(Pm) | 175Wp | 170Wp | 165Wp | 160Wp | 155Wp |

STC:Irrandiance 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

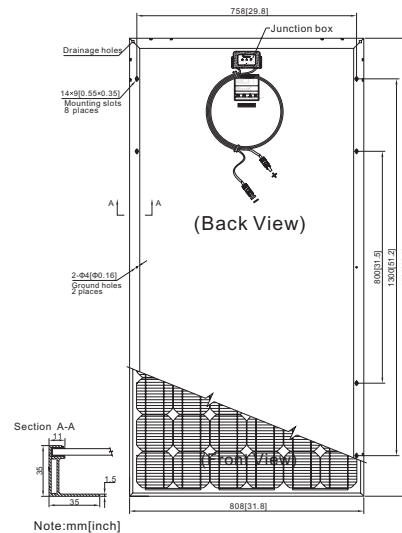
| NOCT | 48°C±2°C | |
|---------------------------------|---------------------------------|---------------|
| | Current temperature coefficient | %/K |
| Voltage temperature coefficient | mV/K | -(155 ± 10) |
| Power temperature coefficient | %/K | -(0.5 ± 0.05) |

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

