

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:Irradiance 1000W/m²,Module temperature 25℃,AM=1.5

Limits

Operating temperature	-40 to +85℃
Maximum system voltage	1000 V DC

Temperature and Coefficients

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

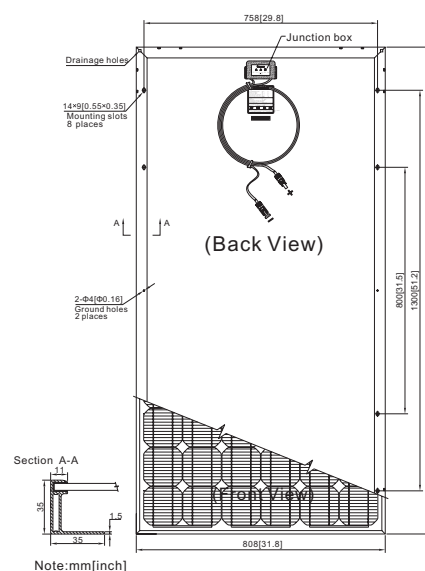
NOCT: Nominal Operation Cell Temperature

Output

Type of output terminal	Junction box
Cable	LAPP(4.0mm ²)
Asymmetrical lengths	1200mm(-) and 800mm(+)
Connection	Suntech Plug Type IV



Blueprint of the module



Characteristics

