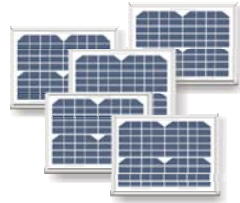


SOLAR MODULES

**STP005S-12/Db**  
STP004S-12/Db



Specifications

Cell	Monocrystalline silicon solar cells 62.5mm×15.62mm
No. of cells and connections	36 (4×9)
Dimension of module(mm)	216×306×18
Weight	0.8Kg

Characteristics

Model	STP005S-12/Db	STP004S-12/Db
Open circuit voltage (Voc)	21.4V	21V
Optimum operating voltage(Vmp)	16.8 V	16.8 V
Short circuit current(Isc)	0.33A	0.3A
Optimum operating current(Imp)	0.30A	0.24A
Maximum power at STC(Pm)	5Wp	4Wp

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

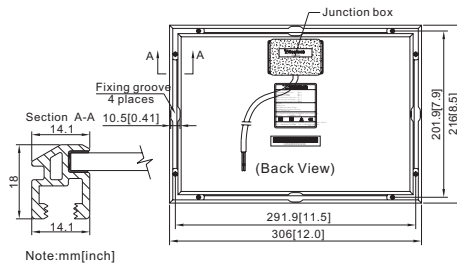
NOCT		48°C±2°C	
Current temperature coefficient	%/K	0.06 ± 0.01	
Voltage temperature coefficient	mV/K	-(78 ± 10)	
Power temperature coefficient	%/K	-(0.5 ± 0.05)	

NOCT: Nominal Operation Cell Temperature

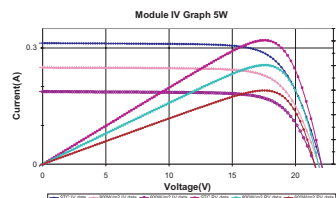
Output

Type of output terminal	Junction box
Cable	YUSHENG(18AWG×2C)
Lengths	3000mm

Blueprint of the module

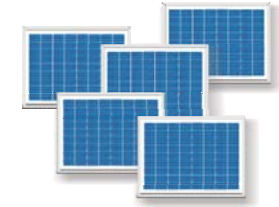


Characteristics



SOLAR MODULES

**STP005-12/Db**  
STP004-12/Db



Specifications

Cell	Multicrystalline silicon solar cells 62.5mm×15.62mm
No. of cells and connections	36 (4×9)
Dimension of module(mm)	216×306×18
Weight	0.8 kg

Characteristics

Model	STP005-12/Db	STP004-12/Db
Open circuit voltage (Voc)	21.4V	21V
Optimum operating voltage(Vmp)	16.8 V	16.6 V
Short circuit current(Isc)	0.32A	0.27A
Optimum operating current(Imp)	0.3A	0.24A
Maximum power at STC(Pm)	5Wp	4Wp

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

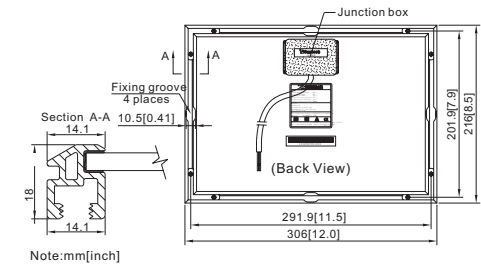
NOCT		48°C±2°C	
Current temperature coefficient	%/K	0.06 ± 0.01	
Voltage temperature coefficient	mV/K	-(78 ± 10)	
Power temperature coefficient	%/K	-(0.5 ± 0.05)	

NOCT: Nominal Operation Cell Temperature

Output

Type of output terminal	Junction box
Cable	YUSHENG(18AWG×2C)
Lengths	3000mm

Blueprint of the module



Characteristics

