

# Poly-crystalline

## STP6-XXX/60 Series

270W/275W/280W/285W/290W/

**12**  
Years

Guarantee on product material and workmanship

**25**  
Years

Linear power output warranty



### High conversion efficiency

High module efficiency to guarantee power output.



### Easy Installation and Handling

For various applications



### Outstanding low irradiation performance

Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



### Excellent loading capability

2400Pa wind loads, 5400Pa snow loads.



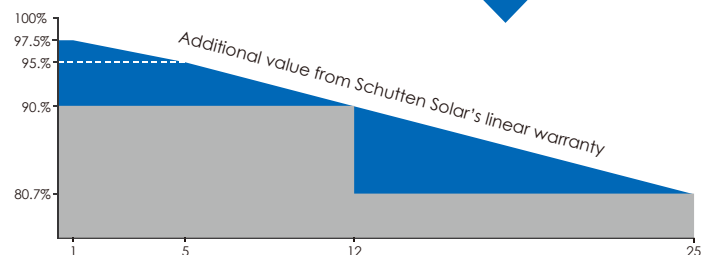
### 0 ~ +5W positive tolerance

Detailed information in Electrical Specifications



### Durability against extreme environmental

High salt mist and ammonia resistance certified by TUV NORD



Anhui Schutten Solar Energy CO.,Ltd. known as " Schutten Solar ", is one of the world's leading solar panel manufacturers. Our Slogan is " Blue Sky · Green Life ". Deploying more than 2GW solar panels worldwide.



Tel : +86 25-86816810

+86 550-2309605

Email : [info@schutten-solar.com](mailto:info@schutten-solar.com)

Web : [www.schutten-solar.com](http://www.schutten-solar.com)

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STP6-XXX/60 Series\_rev2018.8



## Electrical Characteristics

Module Type	STP6-270/60	STP6-275/60	STP6-280/60	STP6-285/60	STP6-290/60
Maximum Power (Pmax)	270Wp	275Wp	280Wp	285Wp	290Wp
Maximum Power Voltage (Vmp)	31.7V	31.93V	32.22V	32.61V	32.95V
Maximum Power Current (Imp)	8.52A	8.61A	8.69A	8.74A	8.80A
Open-circuit Voltage (Voc)	38.82V	39.47V	40.05V	40.38V	40.66V
Short-circuit Current (Isc)	9.25A	9.29A	9.32A	9.41A	9.51A
Module Efficiency STC (%)	16.59%	16.90%	17.21%	17.51%	17.82%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W

STC:  Irradiance 1000W/m<sup>2</sup>  Cell Temperature 25°C  AM=1.5

## Mechanical Characteristics

Cell Type	Poly-crystalline 156.75×156.75mm (6 inch)
No. of cells	60 (6×10)
Dimensions	1640×992×35mm (64.56×39.05×1.37 inch)
Weight	18.0 kg (39.68 lbs.)
Front Glass	3.2mm, High Transmission, Low Iron, ARC Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	4.0mm, Length: 900mm
Connector	MC4 Compatible
Hailstone Impact Test	80Km/h for 25mm ice ball

## Thermal Characteristics

Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C
Temperature Coefficients of Pmax	-0.40% / °C
Temperature Coefficients of Voc	-0.31% / °C
Temperature Coefficients of Isc	+0.06% / °C

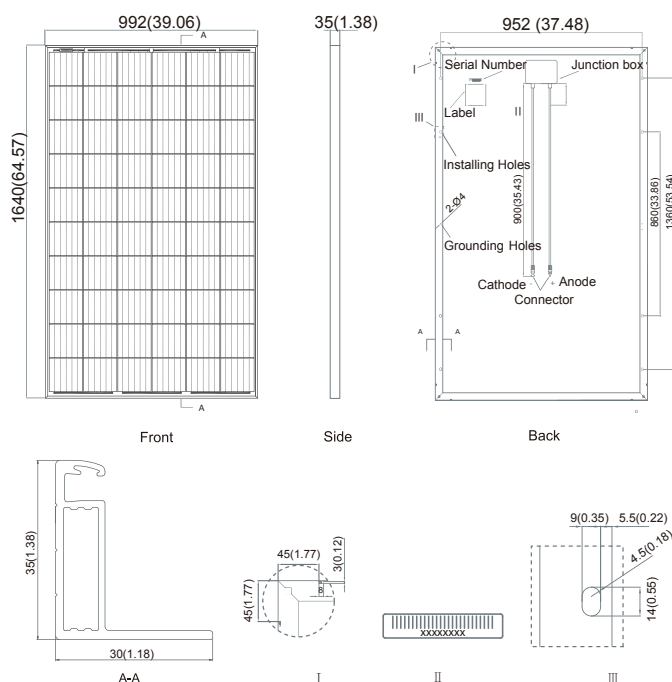
## Packaging Configuration

Container	20'GP	40'HQ	Operating Temperature	-40°C~+85°C
Pieces Per Pallet	30	30 / 5	Maximum System Voltage	1500VDC (IEC)
Pallets Per Container	12	28 / 14	Maximum System Voltage	1500VDC (BIS)
Pieces Per Container	360	910	Maximum Series Fuse Rating	15A

## Maximum Ratings

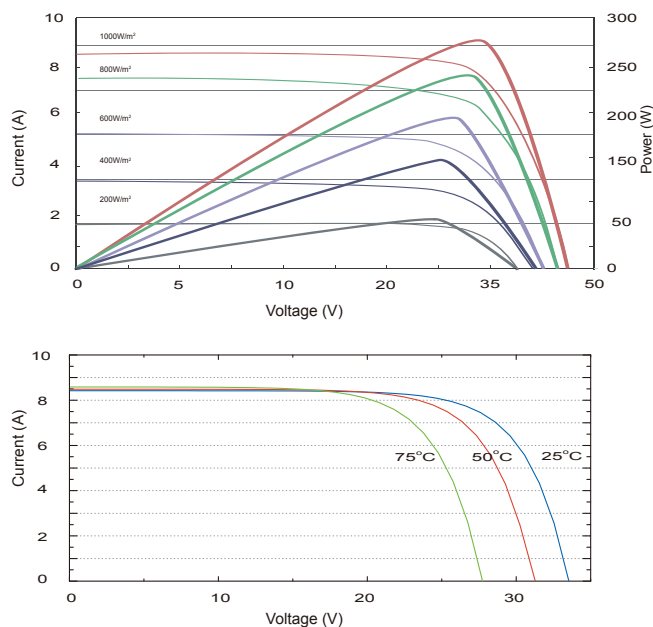
## Engineering Drawings

\*All dimensions in mm(inch)



## I-V Curves

Current-Voltage & Power-Voltage Curves (270W)



**Warning :**  
Read the installation and user manual in its entirety before handling, installing, and operating schutten solar modules.

Schutten Partners :

Office(Nanjing) :Room 1812,Building A,Wanda Plaza,No.102 Middle Jiangdong Road,Nanjing,Jiangsu,China, 210019  
Factory(Chuzhou) :Weisan Rd, Quanjiao Economic Development Area Chuzhou City,Anhui Province,China, 239500  
Factory(Thailand) :41/9 Moo.8 T.Bowin, A.Sriracha, Chonburi, Thailand, 20230

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