

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.



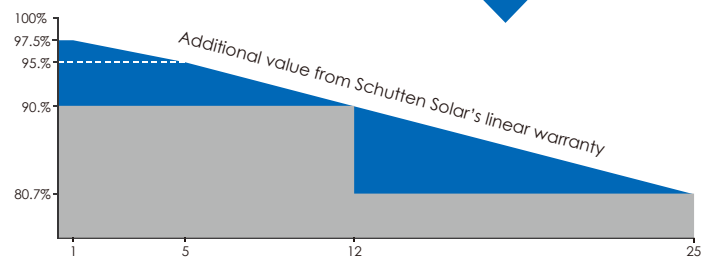
0 ~ +5W positive tolerance

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

Web : www.schutten-solar.com

© Anhui Schutten Solar Energy Co.,Ltd.
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/m²  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

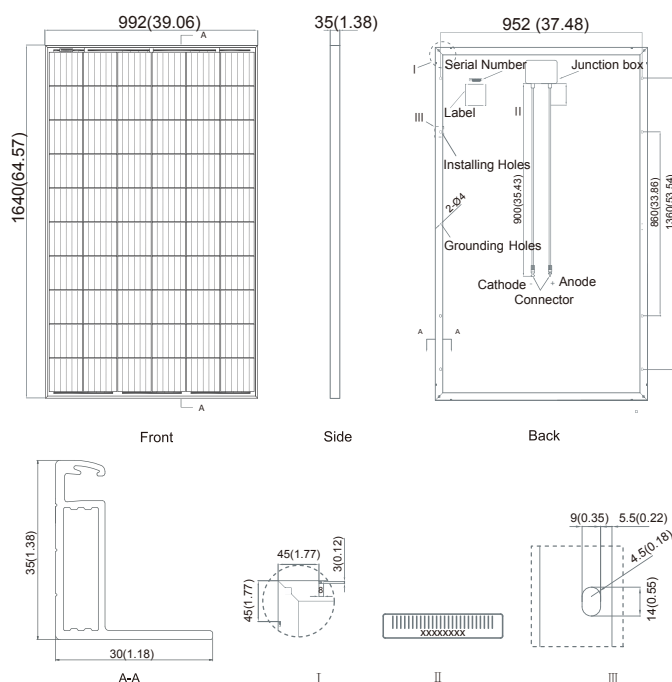
Packaging Configuration

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

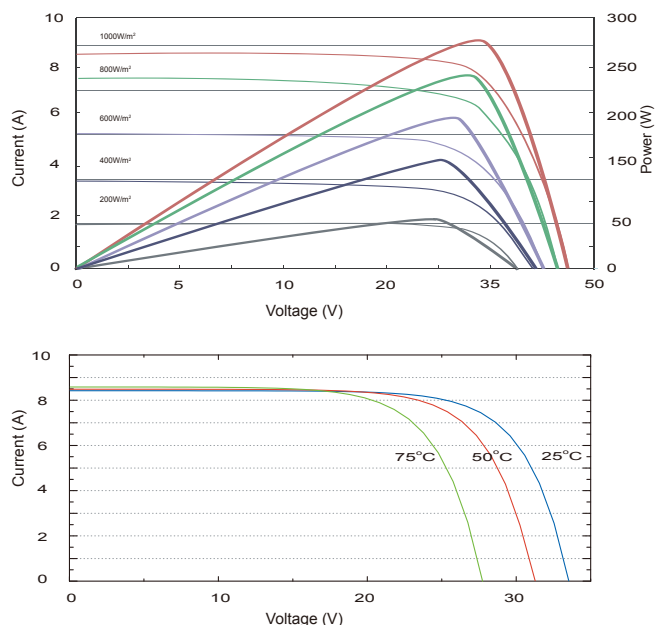
Engineering Drawings

*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

Schutten solar