

Mono-crystalline

STM6-XXX/60 Series

260W/270W/280W/290W/300W

12
Years

Guarantee on product material and workmanship

25
Years

Linear power output warranty



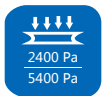
High conversion efficiency
High module efficiency to guarantee power output.



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.



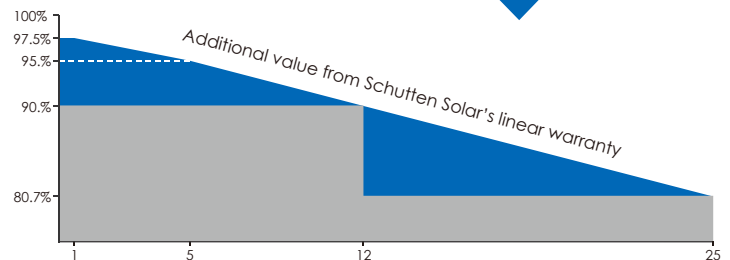
Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.



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.



Electrical Characteristics

Module Type	STM6-260/60	STM6-270/60	STM6-280/60	STM6-290/60	STM6-300/60
Maximum Power (Pmax)	260Wp	270Wp	280Wp	290Wp	300Wp
Maximum Power Voltage (Vmp)	30.67V	31.36V	32.08V	32.59V	33.12V
Maximum Power Current (Imp)	8.48A	8.61A	8.73A	8.90A	9.06A
Open-circuit Voltage (Voc)	37.35V	38.01V	38.65V	39.34V	39.98V
Short-circuit Current (Isc)	9.14A	9.30A	9.47A	9.64A	9.81A
Module Efficiency STC (%)	15.99%	17.60%	17.21%	17.83%	18.44%
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	Mono-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	-0.29% / °C
Temperature Coefficients of Isc	+0.048% / °C

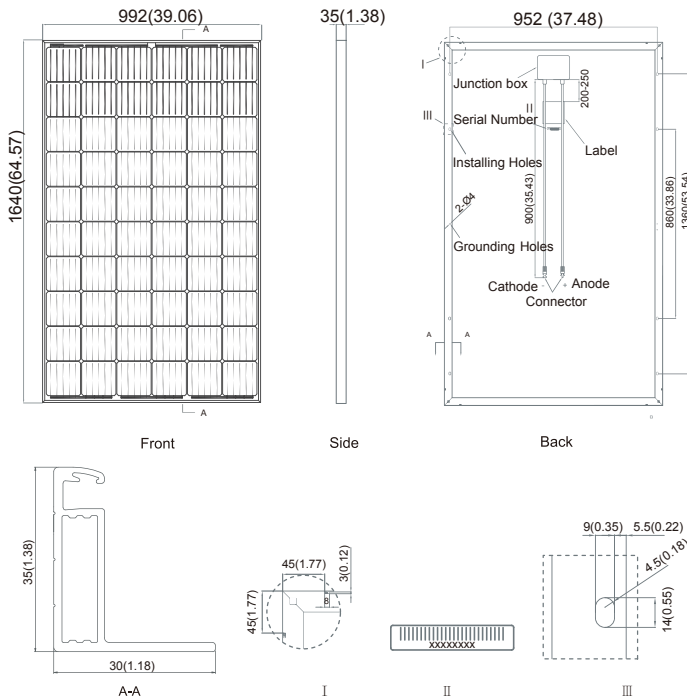
Packaging Configuration

Container	20'GP	40'HQ	Operating Temperature	-40°C~+85°C
Pieces Per Pallet	29 / 25 / 19	29 / 5	Maximum System Voltage	1000VDC (IEC)
Pallets Per Container	6 / 6 / 1	28 / 14	Maximum System Voltage	1500VDC (IEC)
Pieces Per Container	343	882	Maximum Series Fuse Rating	15A

Maximum Ratings

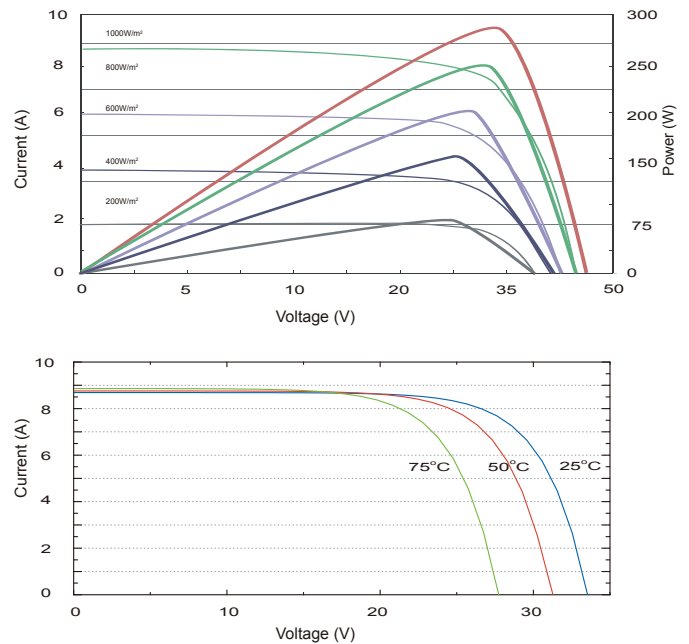
Engineering Drawings

*All dimensions in mm(inch)



I-V Curves

Current-Voltage & Power-Voltage Curves (280W)



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

Schutten Partners :