

Mono-crystalline

STM6(DG)-XXX/72 Double Glass

300W/310W/320W/330W/340W

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.



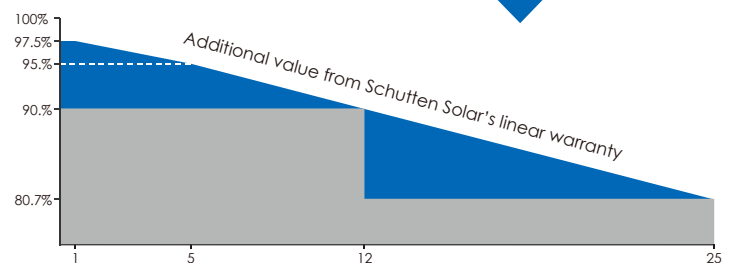
0 ~ +5W positive tolerance

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	STM6-300/72	STM6-310/72	STM6-320/72	STM6-330/72	STM6-340/72
Maximum Power (Pmax)	300Wp	310Wp	320Wp	330Wp	340Wp
Maximum Power Voltage (Vmp)	36.77V	37.04V	37.35V	37.76V	38.15V
Maximum Power Current (Imp)	8.16A	8.37A	8.57A	8.74A	8.91A
Open-circuit Voltage (Voc)	45.28V	45.57V	45.86V	46.04V	46.24V
Short-circuit Current (Isc)	8.71A	8.85A	8.99A	9.21A	9.45A
Module Efficiency STC (%)	15.48%	15.99%	16.49%	17.01%	17.52%
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	72 (6×12)
Dimensions	1968×992×6mm (77.48×39.05×0.24 inch)
Weight	28.0 kg (61.7 lbs.)
Front Glass	2.5mm
Back Glass	2.5mm
Junction Box	IP67 Rated
Output Cables	4.0mm, Length: 1200mm
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

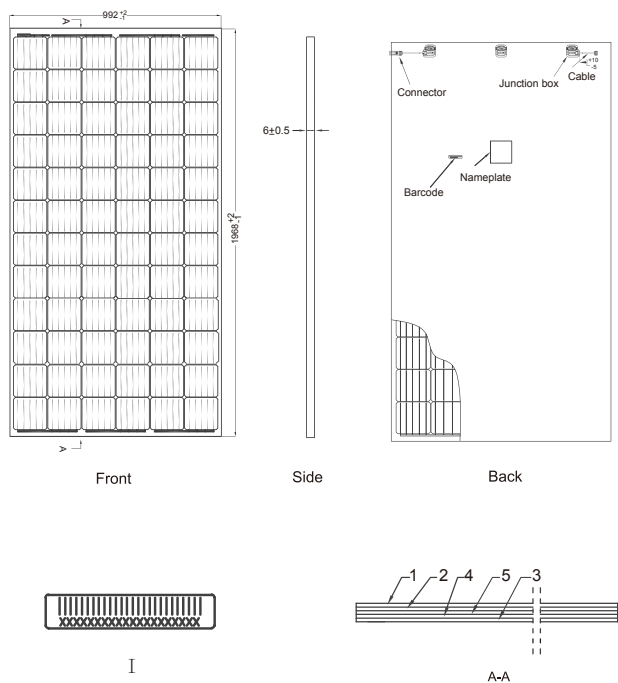
Container	40'HQ
Pieces Per Pallet	30
Pallets Per Container	22
Pieces Per Container	660

Maximum Ratings

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1000VDC (IEC)
Maximum System Voltage	1500VDC (IEC)
Maximum Series Fuse Rating	15A

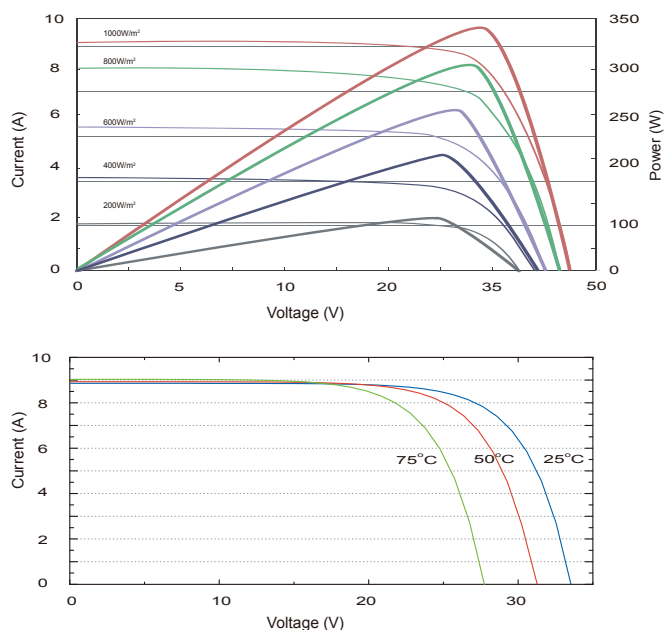
Engineering Drawings

*All dimensions in mm(inch)



I-V Curves

Current-Voltage & Power-Voltage Curves (340W)



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

Schutten Partners :