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Solar Panel Guide Specification Data Sheet

Anhui Schutten Solar Energy Co., Ltd.

STP6-310-340W/72

STP6-310/72

Also available on the web at
EnergyPal.com/anhui-schutten-solar-energy-co-ltd-solar-panels/stp6-310-72

Mono-crystalline

STM6-PERC-XXX/60 Series

300W/305W/310W/315W/320W

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.



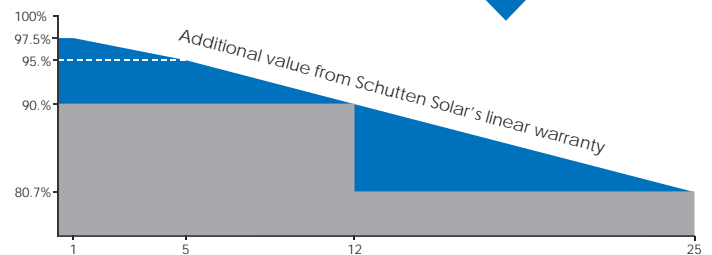
Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.



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.



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STM6-XXX/60 Series_rev2018.8



Electrical Characteristics

Module Type	STM6-300/60	STM6-305/60	STM6-310/60	STM6-315/60	STM6-320/60
Maximum Power (Pmax)	300Wp	305Wp	310Wp	315Wp	320Wp
Maximum Power Voltage (Vmp)	33.12V	33.44V	33.73V	34.09	34.15V
Maximum Power Current (Imp)	9.06A	9.12A	9.19A	9.26A	9.37A
Open-circuit Voltage (Voc)	39.98V	40.13V	40.36V	40.73V	40.90V
Short-circuit Current (Isc)	9.87A	9.81A	9.91A	9.98A	10.15A
Module Efficiency STC (%)	18.44%	18.74%	19.05%	19.36%	19.66%
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 156.75x156.75mm (6 inch)
No. of cells	60 (6x10)
Dimensions	1640x992x35mm (64.56x39.05x1.37 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

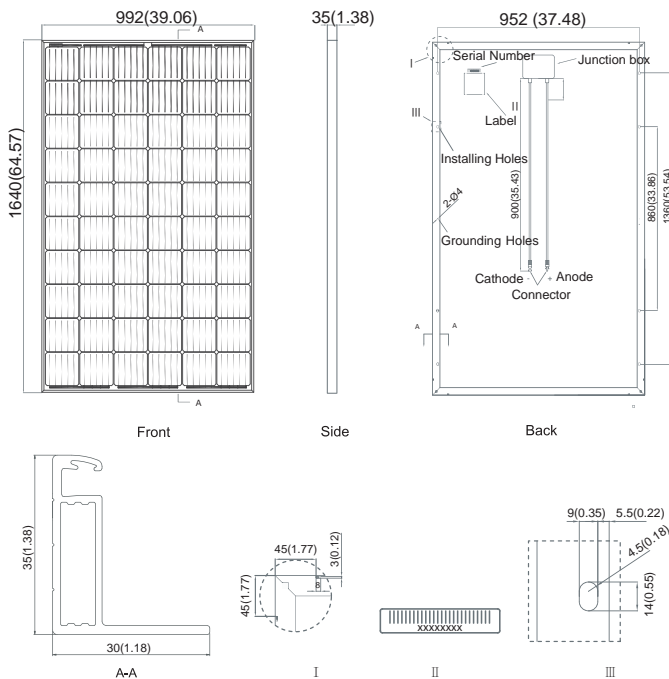
Packaging Configuration

Container	20'GP	40'HQ	Operating Temperature	-40°C~+85°C
Pieces Per Pallet	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

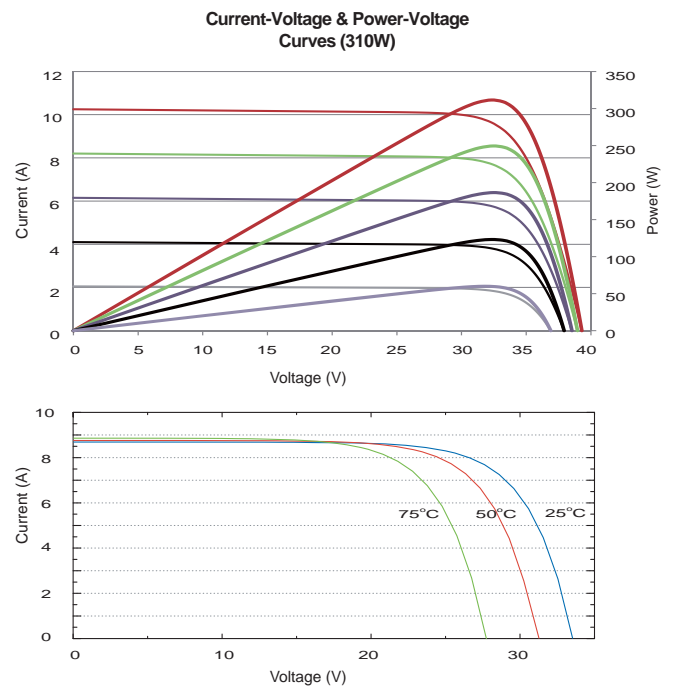
Maximum Ratings

Engineering Drawings

*All dimensions in mm(inch)



I-V Curves



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

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