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Solar Panel Guide Specification Data Sheet

Anhui Schutten Solar Energy Co., Ltd.

STM6-360-380W/72

STM6-380/72

Also available on the web at
EnergyPal.com/anhui-schutten-solar-energy-co-ltd-solar-panels/stm6-380-72

Poly-crystalline

STP6-XXX/72 Series

310W/320W/325W/330W/335W/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.



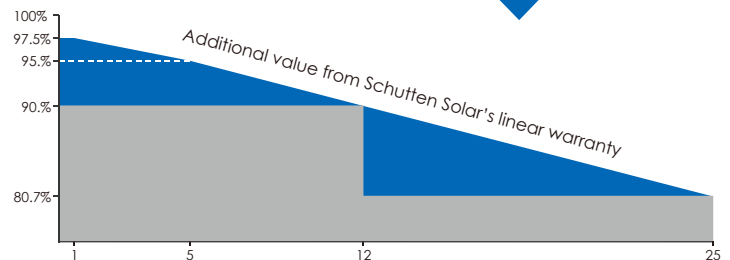
Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.



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.



Tel : +86 25-86816810
+86 550-2309605
Email : info@schutten-solar.com
Web : www.schutten-solar.com

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STP6-XXX/72 Series_rev2018.8



Electrical Characteristics

| Module Type | STP6-310/72 | STP6-320/72 | STP6-325/72 | STP6-330/72 | STP6-335 72 | STP6-340/72 |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Maximum Power (Pmax) | 310Wp | 320Wp | 325Wp | 330Wp | 335Wp | 340Wp |
| Maximum Power Voltage (Vmp) | 36.91V | 37.70V | 38.02V | 38.38V | 38.78V | 38.55V |
| Maximum Power Current (Imp) | 8.40A | 8.49A | 8.55A | 8.60A | 8.64A | 8.82A |
| Open-circuit Voltage (Voc) | 45.69V | 46.06V | 46.15V | 46.42V | 46.60V | 46.62V |
| Short-circuit Current (Isc) | 9.09A | 9.19A | 9.24A | 9.29A | 9.33A | 9.41A |
| Module Efficiency STC (%) | 15.98% | 16.49% | 16.75% | 17.01% | 17.26% | 17.52% |
| Power Tolerance | 0~+5W | 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 | 72 (6×12) |
| Dimensions | 1956×992×40mm (77.00×39.05×1.57 inch) |
| Weight | 21.0 kg (46.3 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: 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 | -0.31% / °C |
| Temperature Coefficients of Isc | +0.06% / °C |

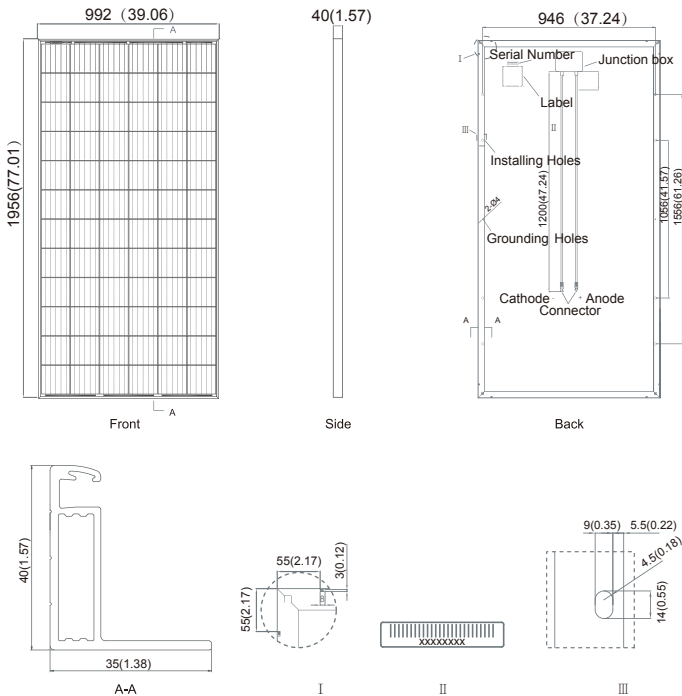
Packaging Configuration

| | | | | |
|-----------------------|-------|---------|----------------------------|---------------|
| Container | 20'GP | 40'HQ | Operating Temperature | -40°C~+85°C |
| Pieces Per Pallet | 27 | 27 / 5 | Maximum System Voltage | 1500VDC (IEC) |
| Pallets Per Container | 10 | 24 / 12 | Maximum System Voltage | 1500VDC (BIS) |
| Pieces Per Container | 270 | 708 | Maximum Series Fuse Rating | 15A |

Maximum Ratings

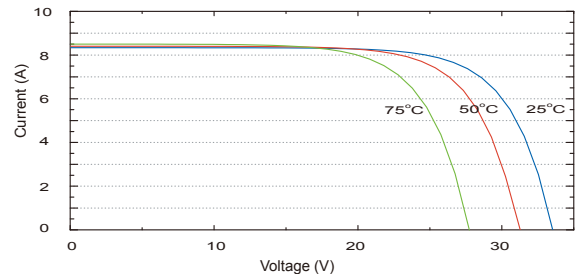
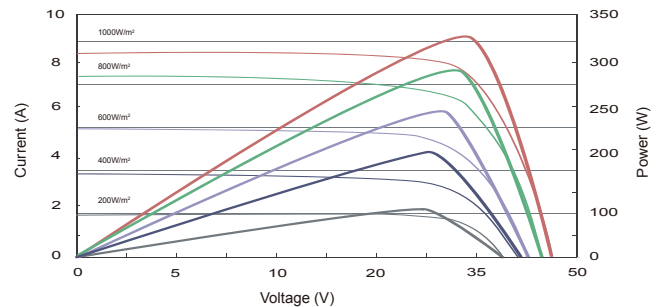
Engineering Drawings

*All dimensions in mm(inch)



I-V Curves

Current-Voltage & Power-Voltage Curves (320W)



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

Schutten Partners :