



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.



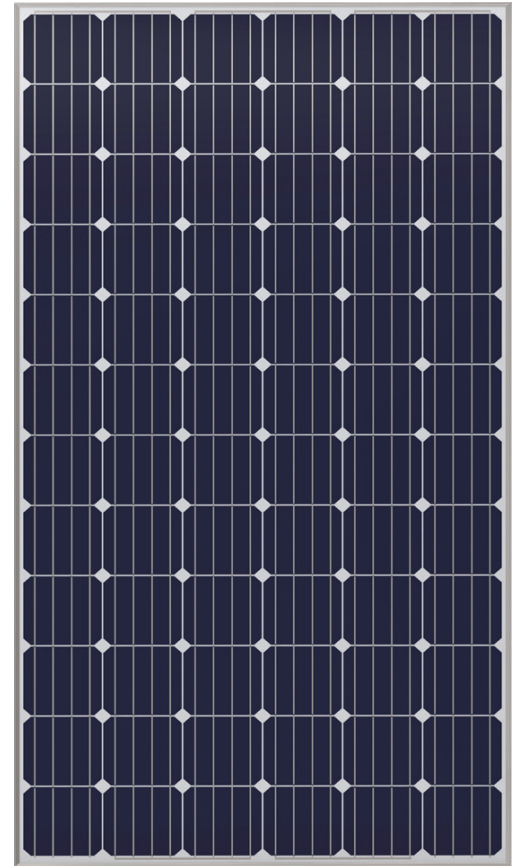
Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.



0 to +5W positive tolerance
Detailed information in Electrical Specifications



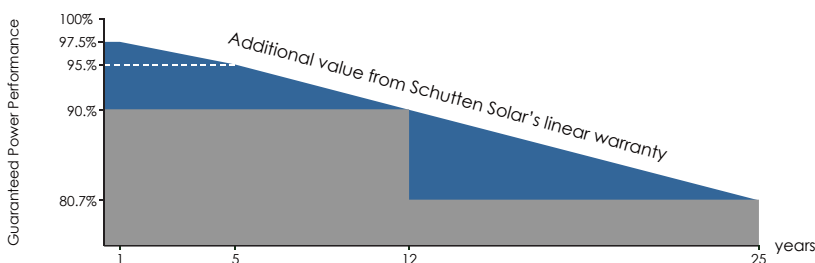
Durability against extreme environmental
High salt mist and ammonia resistance
certified by TUV NORD



4 Busbar Solar Cell:

adopts new technology to improve the efficiency of modules , offers a better aesthetic appearance, perfect for rooftop installation.

LINEAR PERFORMANCE WARRANTY



12 YEARS

Guarantee on product material and workmanship

25 YEARS

Linear power output warranty

CERTIFICATES



INSURANCE



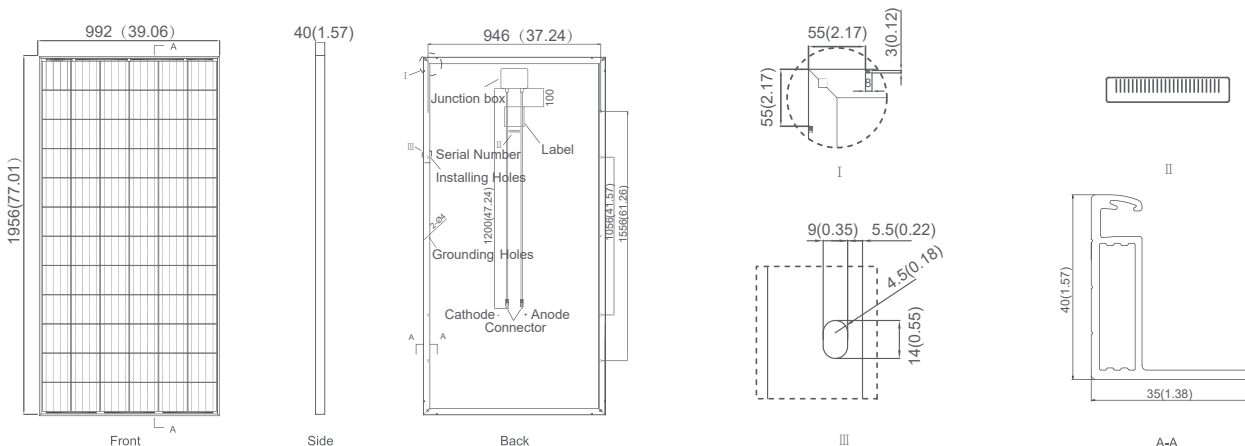
Electrical Characteristics

Module Type	STM6-310/72	STM6-320/72	STM6-330/72	STM6-340/72	STM6-345/72
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	310Wp	320Wp	330Wp	340Wp	345Wp
Maximum Power Voltage (Vmp)	36.63V	37.22V	38.16V	39.09V	39.51V
Maximum Power Current (Imp)	8.47A	8.60A	8.65A	8.70A	8.74A
Open-circuit Voltage (Voc)	45.06V	45.79V	46.94V	47.87V	48.25V
Short-circuit Current (Isc)	9.06A	9.20A	9.25A	9.31A	9.35A
Module Efficiency STC (%)	16.14%	16.49%	17.01%	17.52%	17.78%
Operating Temperature(°C)	-40°C~+85°C			Temperature coefficients of Pmax	-0.41%/°C
Maximum system voltage	1000VDC (IEC)			Temperature coefficients of Voc	-0.33%/°C
Maximum series fuse rating	15A			Temperature coefficients of Isc	+0.03%/°C
Power tolerance	(0, +5)			Nominal module operating temperature (NMOT)	45±2°C

STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

Engineering Drawings

*All dimensions in mm(inch)



Mechanical Characteristics

Cell Type	Mono-crystalline 156×156mm (6 inch)	
No. of cells	72 (6×12)	
Dimensions	1956×992×40mm (77.01×39.05×1.57 inch)	
Weight	24.5 kg (54.0 lbs.)	
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP67 Rated	
Output Cables	4.0mm, Length: 1200mm	
Connector	MC4 Compatible	
Maximum Snow Load	550Kg/m ²	
Maximum Wind Load	200Km/h	
Hailstone Impact Test	80Km/h for 25mm ice ball	

Packaging Configuration

Container	20' GP	40' HQ
Pieces Per Pallet	26 / 22 / 16	26 / 4
Pallets Per Container	5 / 5 / 1	24 / 12
Pieces Per Container	256	672

Current-Voltage & Power-Voltage Curve

