



### High conversion efficiency

High efficiency rate up to 18.4%, higher yield per surface area, higher rate of return on investment.



### 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.



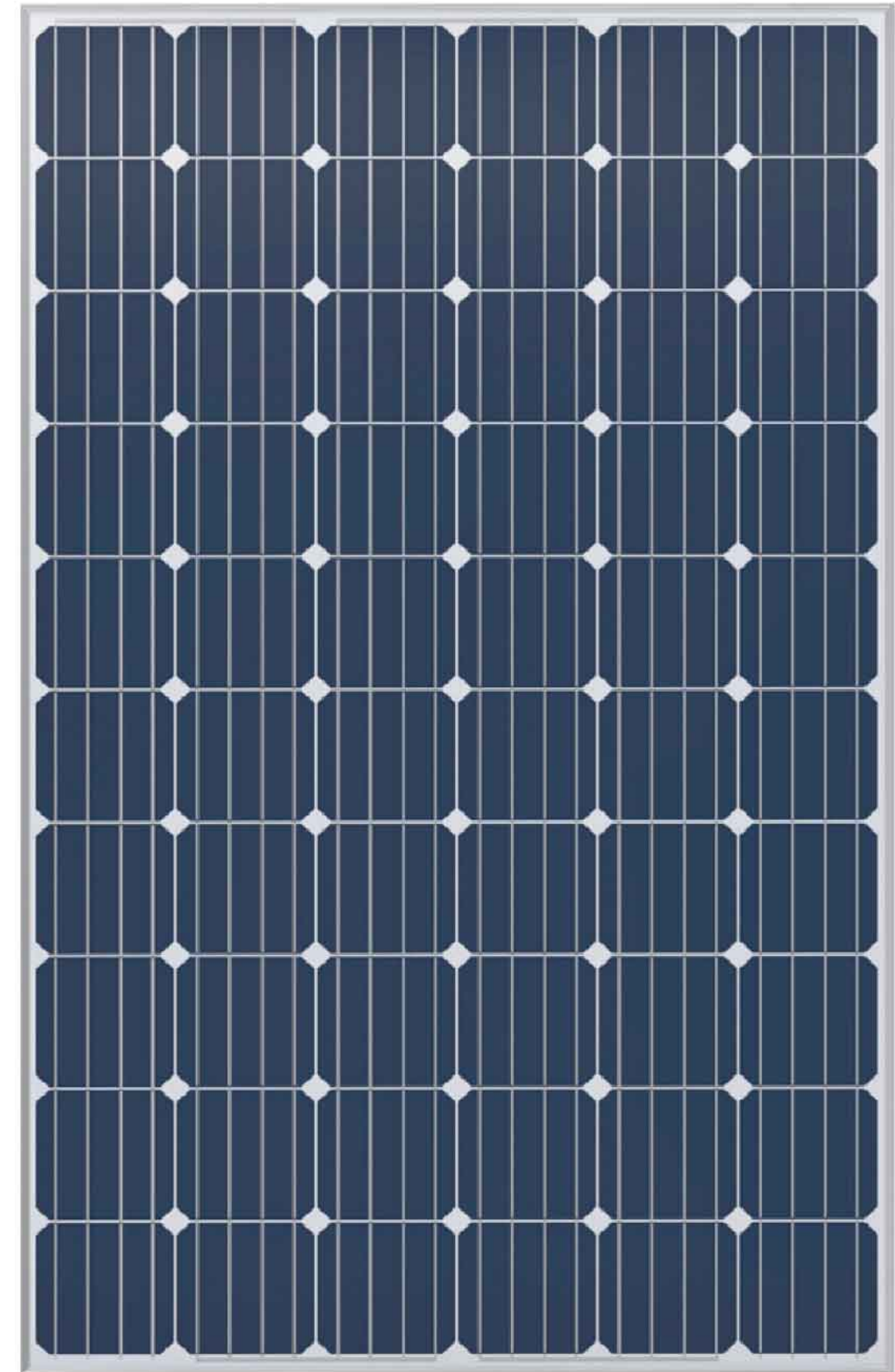
### 0 to +5W positive tolerance

Detailed information in Electrical Specifications



### Durability against extreme environmental

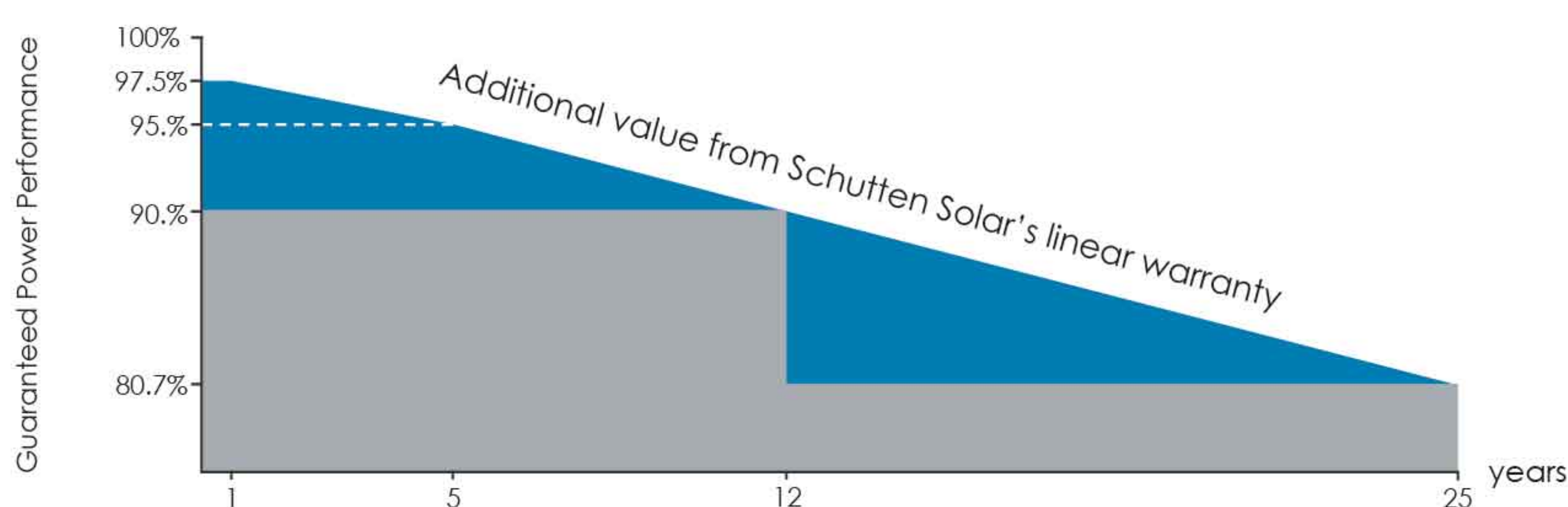
High salt mist and ammonia resistance certified by TUV NORD



### 4BB/5BB 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



### Anhui Schutten Solar Energy Co.,Ltd

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www.schutten-solar.com

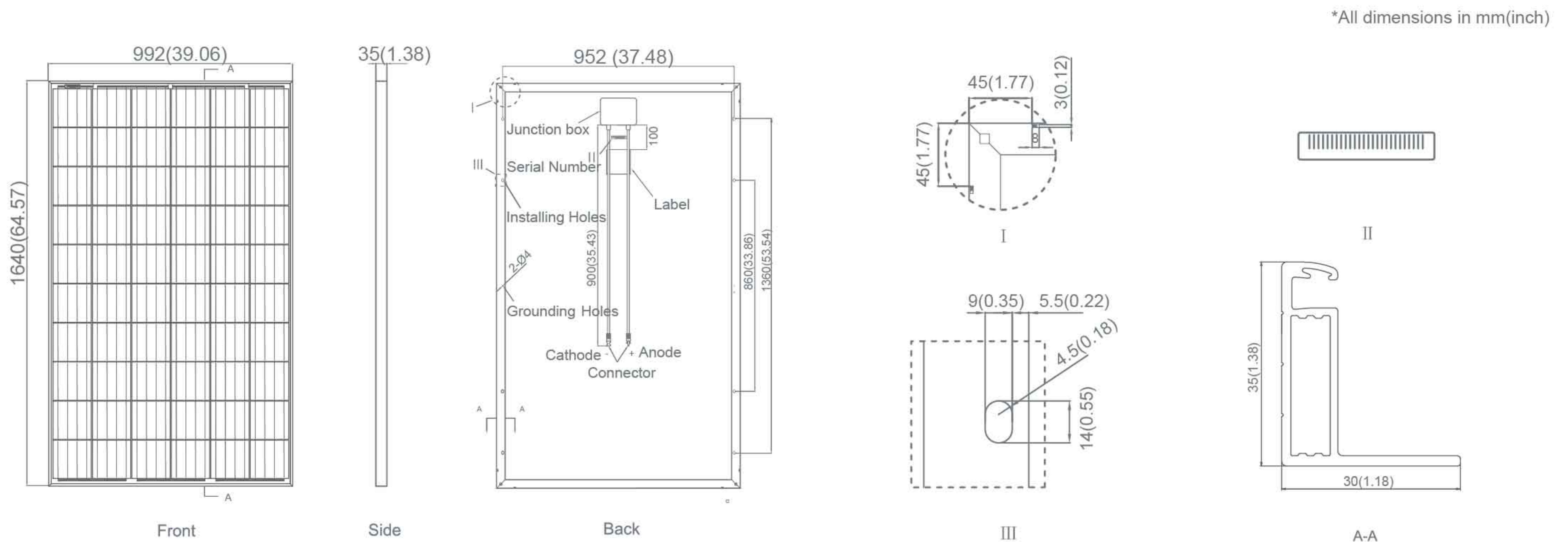


# Electrical Characteristics

Module Type	STM6-250/60	STM6-260/60	STM6-270/60	STM6-280/60	STM6-290/60	STM6-300/60
	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax)	250Wp	260Wp	270Wp	280Wp	290Wp	300Wp
Maximum Power Voltage (Vmp)	30.05V	30.67V	31.36V	32.08V	32.59V	33.12V
Maximum Power Current (Imp)	8.32A	8.48A	8.61A	8.73A	8.90A	9.06A
Open-circuit Voltage (Voc)	36.78V	37.35V	38.01V	38.65V	39.34V	39.98V
Short-circuit Current (Isc)	8.97A	9.14A	9.30A	9.47A	9.64A	9.81A
Module Efficiency STC (%)	15.37%	15.99%	17.60%	17.21%	17.83%	18.44%
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/m<sup>2</sup> Cell Temperature 25°C AM=1.5

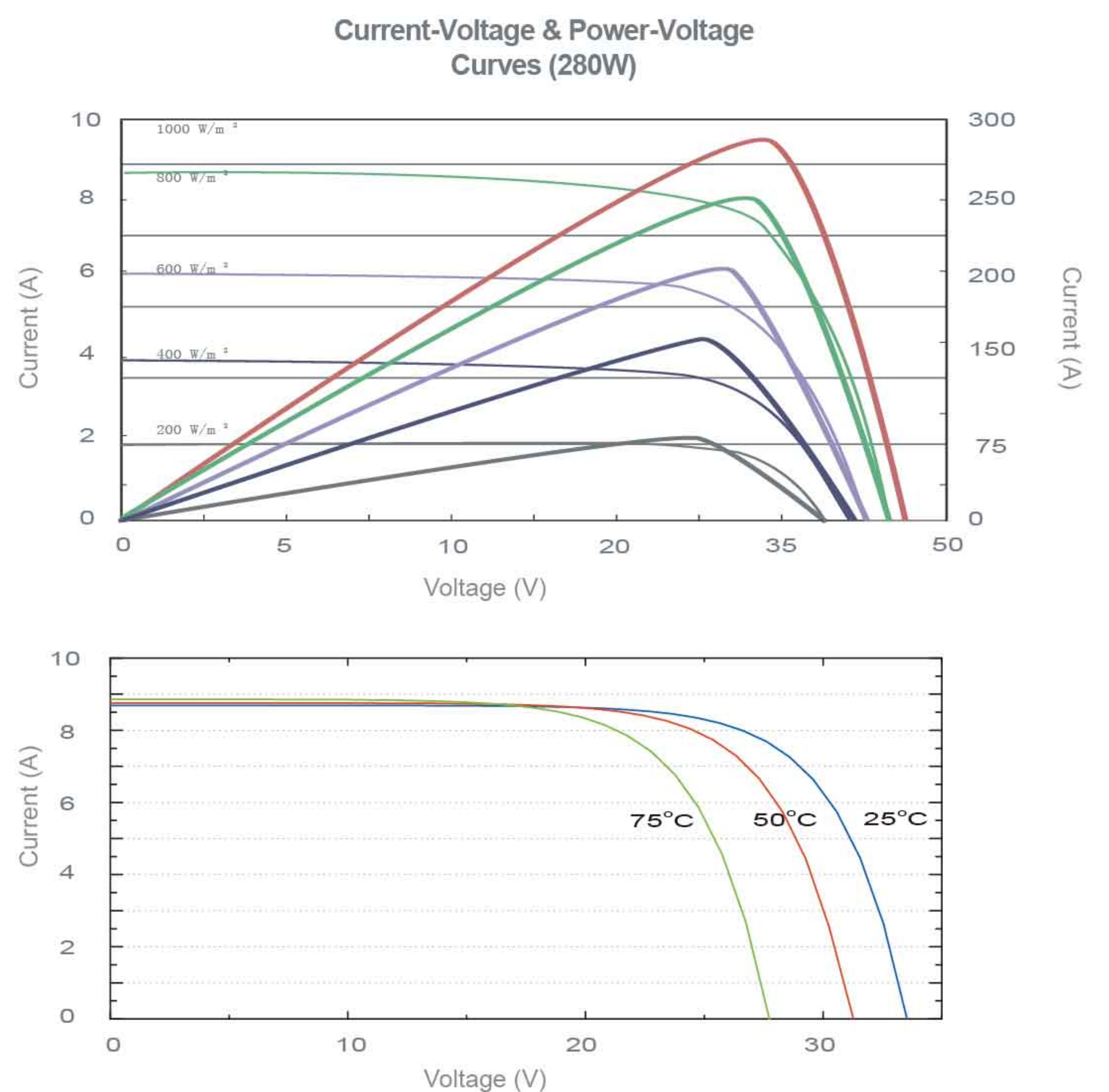
## Engineering Drawings



## Mechanical Characteristics

Cell Type	Mono-crystalline 156×156mm (6 inch)
No.of cells	60 (6×10)
Dimensions	1640×992×35mm (64.56×39.05×1.37 inch)
Weight	18 kg (39.68 lbs.)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	4.0mm, Length: 900mm
Connector	MC4 Compatible
Maximum Snow Load	550Kg/m <sup>2</sup>
Maximum Wind Load	200Km/h
Hailstone Impact Test	80Km/h for 25mm ice ball

## Current-Voltage & Power-Voltage Curve



## Packaging Configuration

Container	20' GP	40' HQ
Pieces Per Pallet	29 / 25 / 19	29 / 5
Pallets Per Container	6 / 6 / 1	28 / 14
Pieces Per Container	343	882