

# STP260 - 20/Wey STP255 - 20/Wey

## 260 Watt POLYCRYSTALLINE SOLAR MODULE



### Features



#### High module conversion efficiency

Module efficiency up to 16.0% achieved through advanced cell technology and manufacturing capabilities



#### High PID resistant

Advanced cell technology and qualified materials lead to high resistance to PID



#### Positive tolerance

Positive tolerance of up to 5W delivers higher output reliability



#### Suntech current sorting process

System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage



#### Extended wind and snow load tests

Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal) \*



#### Withstanding harsh environment

Specially designed for environment where light pollution is prevented, such as highway, railway, airport, etc.

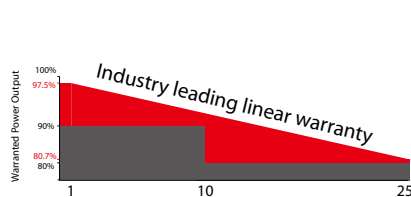
Certifications and standards:  
IEC 61215, IEC 61730, conformity to CE



### Trust Suntech to Deliver Reliable Performance Over Time

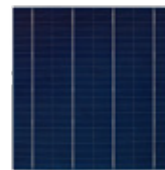
- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004 and ISO17025: 2005
- Regular independently checked production process from international accredited institute/company
- By using anti-reflection, high transmission, low iron content glass and superb production process, Suntech will continually provide high efficiency modules.
- Long-term reliability tests
- 2 x 100% EL inspection ensuring defect-free modules

### Industry-leading Warranty based on nominal power



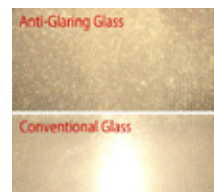
- 97.5% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from MODULE's nominal power output per year, ending with the 80.7% in the 25th year after the defined WARRANTY STARTING DATE.\*\*\*\*
- 12-year product warranty
- 25-year linear performance warranty

### Special 4 busbar design



The unique cell design leads tremendous reduction in electrodes resistance and raise in conversion efficiency. Less residual stress, less cell micro-cracks and hotspot risks.

### Anti-Glaring glass

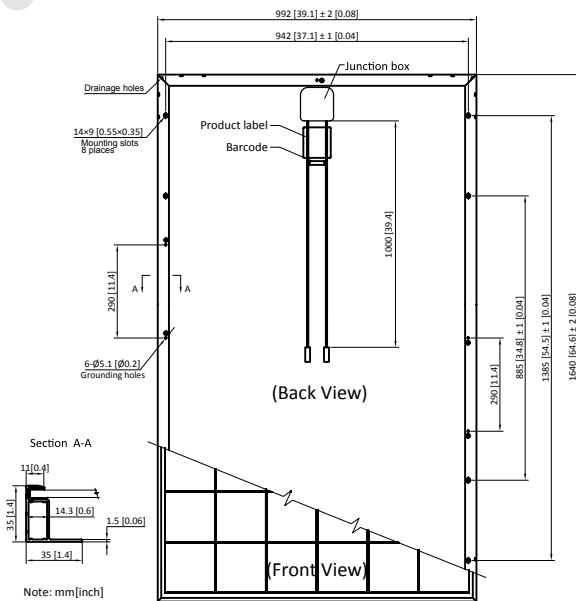


Using high quality and low reflective glass, reduce the typical direct light reflection of about 10% on conventional glass down to less than 3%. Especially in sensitive utility project locations like airports, highways along railways or for noise reductions walls. Avoids costs for counter measurements of blending solar modules.

\* Please refer to Suntech Standard Module Installation Manual for details. \*\*PV Cycle only for EU market.

\*\*\* Please refer to Suntech Product Near-coast Installation Manual for details. \*\*\*\* Please refer to Suntech Product Warranty for details.

# STP260 - 20/Wey STP255 - 20/Wey



## Electrical Characteristics

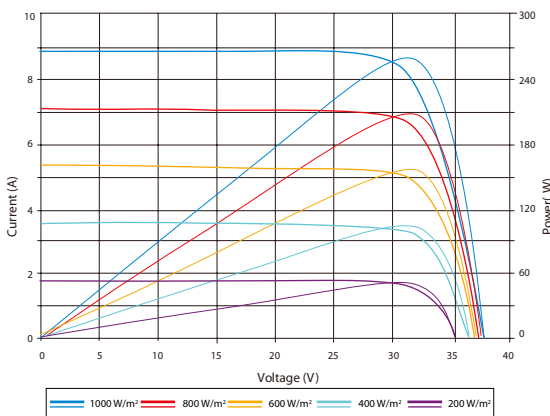
STC	STP260-20/Wey	STP255-20/Wey
Maximum Power at STC (Pmax)	260 W	255 W
Optimum Operating Voltage (Vmp)	30.9 V	30.8 V
Optimum Operating Current (Imp)	8.42 A	8.28 A
Open Circuit Voltage (Voc)	37.7 V	37.6 V
Short Circuit Current (Isc)	8.89 A	8.76 A
Module Efficiency	16.0%	15.7%
Operating Module Temperature	-40 °C to +85 °C	
Maximum System Voltage	1000 V DC (IEC)	
Maximum Series Fuse Rating	20 A	
Power Tolerance	0/+5 %	

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

NOCT	STP260-20/Wey	STP255-20/Wey
Maximum Power at NOCT (Pmax)	191 W	188 W
Optimum Operating Voltage (Vmp)	28.2 V	28.1 V
Optimum Operating Current (Imp)	6.76 A	6.68 A
Open Circuit Voltage (Voc)	34.8 V	34.7 V
Short Circuit Current (Isc)	7.19 A	7.12 A

NOCT: Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

## Current-Voltage & Power-Voltage Curve (260-20)



Excellent performance under weak light conditions: at an irradiation intensity of 200 W/m<sup>2</sup> (AM 1.5, 25 °C), 96.5% or higher of the STC efficiency (1000 W/m<sup>2</sup>) is achieved

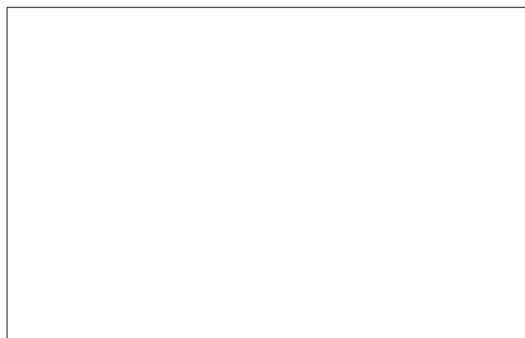
## Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.41 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.067 %/°C

## Mechanical Characteristics

Solar Cell	Polycrystalline silicon 156 × 156 mm (6 inches)
No. of Cells	60 (6 × 10)
Dimensions	1640 × 992 × 35mm (64.6 × 39.1 × 1.4 inches)
Weight	18.2 kgs (40.1 lbs.)
Front Glass	3.2 mm (0.13 inches) tempered anti-glaring glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	TUV (2Pfg1169:2007) 4.0 mm <sup>2</sup> (0.006 inches <sup>2</sup> ), symmetrical lengths (-) 1000mm (39.4 inches) and (+) 1000 mm (39.4 inches)
Connectors	MC4 compatible

## Dealer information



## Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	30	30
Pallets per container	6	28
Pieces per container	180	840

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.