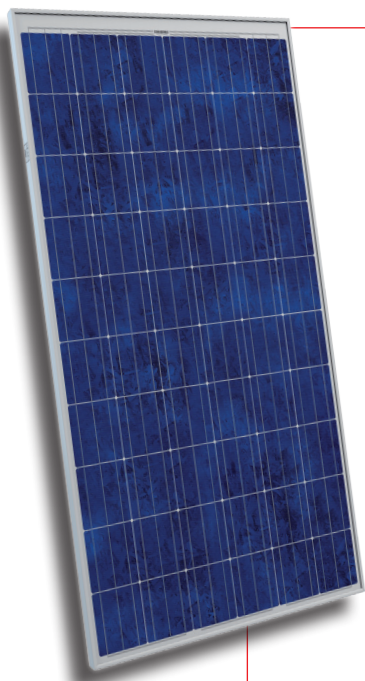


STP250 - 20/Wd
STP245 - 20/Wd
STP240 - 20/Wd



250 Watt POLYCRYSTALLINE SOLAR MODULE



Features



High module conversion efficiency

15.4%
 Module efficiency up to 15.4% achieved through advanced cell technology and manufacturing capabilities



Excellent weak light performance

Weak light
 Excellent performance under low light conditions



Positive tolerance

0/+5%
 Positive tolerance of up to 5% delivers higher outputs reliability



Suntech current sorting process

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



Extended wind and snow load tests

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



Withstanding harsh environment

Harsh environment
 Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

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



Trust Suntech to Deliver Reliable Performance Over Time

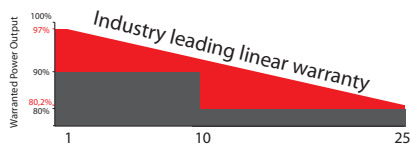
- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004 and ISO17025: 2005
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, DIN 50916:1985 T2, DIN EN 60068-2-68)***



Compact and Durable Frame Design

Suntech's new compact frame design is light-weight and easier to handle during installation. The rigid and durable hollow chamber guarantees the same long-term and reliable performance.

Industry-leading Warranty based on nominal power



- 97% 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 80.2% in the 25th year after the defined WARRANTY STARTING DATE.****
- 10-year material and workmanship warranty



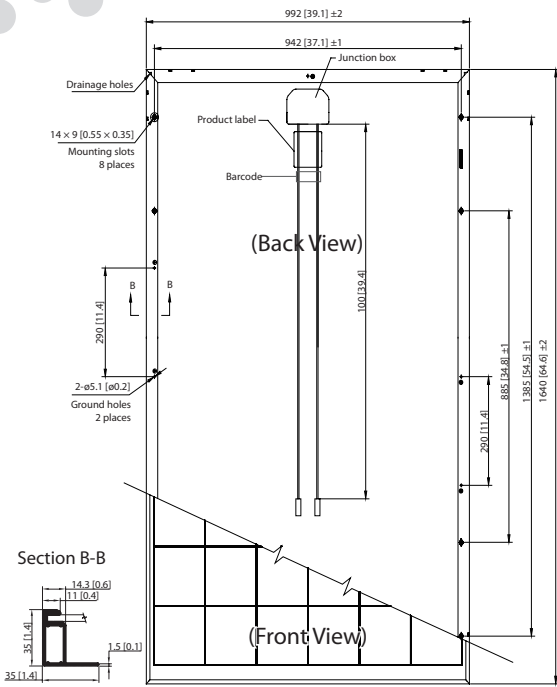
IP67 Rated Junction Box

Supports installations in multiple orientations. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

* 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.

STP250 - 20/Wd
STP245 - 20/Wd
STP240 - 20/Wd



Note: mm [inch]

Electrical Characteristics

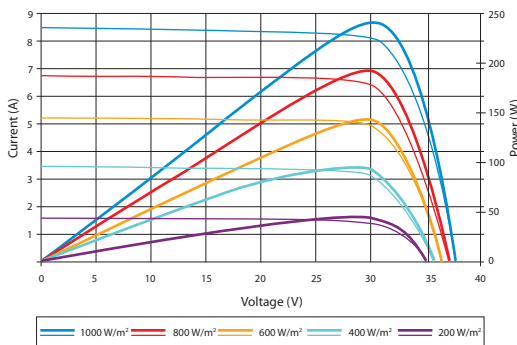
STC	STP250-20/Wd	STP245-20/Wd	STP240-20/Wd
Maximum Power at STC (Pmax)	250 W	245 W	240 W
Optimum Operating Voltage (Vmp)	30.7 V	30.5 V	30.2 V
Optimum Operating Current (Imp)	8.15 A	8.04 A	7.95 A
Open Circuit Voltage (Voc)	37.4 V	37.3 V	37.2 V
Short Circuit Current (Isc)	8.63 A	8.52 A	8.43 A
Module Efficiency	15.4%	15.1%	14.8%
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/m², module temperature 25 °C, AM=1.5;
 Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

NOCT	STP250-20/Wd	STP245-20/Wd	STP240-20/Wd
Maximum Power at NOCT (Pmax)	185 W	181 W	178 W
Optimum Operating Voltage (Vmp)	28.0 V	27.8 V	27.6 V
Optimum Operating Current (Imp)	6.59 A	6.51 A	6.44 A
Open Circuit Voltage (Voc)	34.5 V	34.3 V	34.1 V
Short Circuit Current (Isc)	7.01 A	6.94 A	6.86 A

NOCT: Irradiance 800 W/m², 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(245-20)



Excellent performance under weak light conditions: at an irradiance intensity of 200 W/m² (AM 1.5, 25 °C), 95.5% or higher of the STC efficiency (1000 W/m²) is achieved

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.43 %/°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 glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated (3 bypass diodes)
Output Cables	TUV (2Pfg1169:2007) 4.0 mm ² (0.006 inches ²), symmetrical lengths (-) 1000mm (39.4 inches) and (+) 1000 mm (39.4 inches)
Connectors	MC4 connectors

Packing Configuration

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

Dealer information

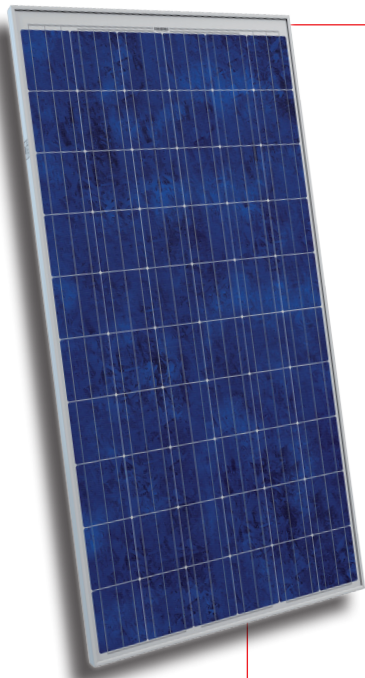
Authorized Distributor :
PT. Suntech Solar System
 Jl. Deplu Raya No. 7, Bintaro
 Jakarta Selatan 12330 – Indonesia
 Tel. : (+62) 21 - 734 2512
 Fax. : (+62) 21 - 7369 1388
 E-mail : info@suntechsolarsystem.com
 Web : www.suntechsolarsystem.com

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STP255 - 20/Wd
STP250 - 20/Wd
STP245 - 20/Wd



255 Watt POLYCRYSTALLINE SOLAR MODULE



Features



High module conversion efficiency

Module efficiency up to 15.7% achieved through advanced cell technology and manufacturing capabilities



Excellent weak light performance

Excellent performance under low light conditions



Positive tolerance

Positive tolerance of up to 5% delivers higher outputs 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

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

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



Trust Suntech to Deliver Reliable Performance Over Time

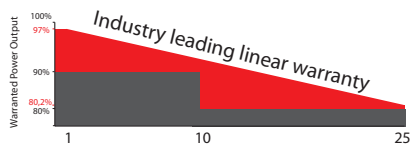
- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004 and ISO17025: 2005
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, DIN 50916:1985 T2, DIN EN 60068-2-68)***



Compact and Durable Frame Design

Suntech's new compact frame design is light-weight and easier to handle during installation. The rigid and durable hollow chamber guarantees the same long-term and reliable performance.

Industry-leading Warranty based on nominal power



- 97% 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 80.2% in the 25th year after the defined WARRANTY STARTING DATE.****
- 10-year material and workmanship warranty



IP67 Rated Junction Box

Supports installations in multiple orientations. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

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STP255 - 20/Wd
STP250 - 20/Wd
STP245 - 20/Wd



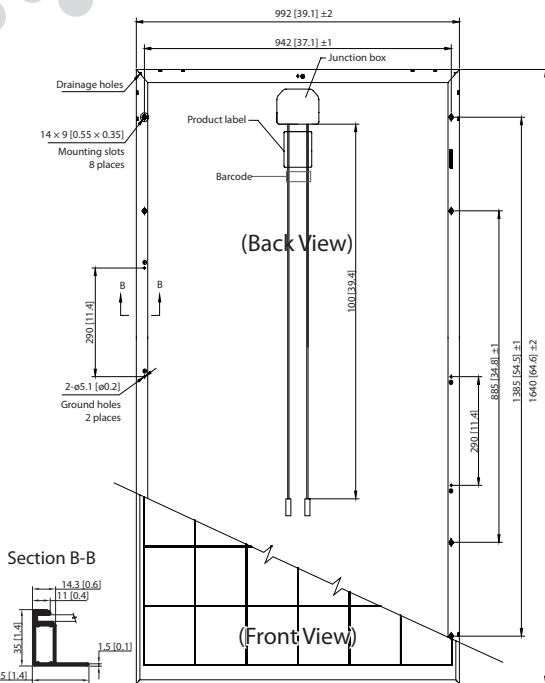
Electrical Characteristics

STC	STP255-20/Wd	STP250-20/Wd	STP245-20/Wd
Maximum Power at STC (Pmax)	255 W	250 W	245 W
Optimum Operating Voltage (Vmp)	30.8 V	30.7 V	30.5 V
Optimum Operating Current (Imp)	8.28 A	8.15 A	8.04 A
Open Circuit Voltage (Voc)	37.6 V	37.4 V	37.3 V
Short Circuit Current (Isc)	8.76 A	8.63 A	8.52 A
Module Efficiency	15.7%	15.4%	15.1%
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/m², module temperature 25 °C, AM=1.5;
 Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

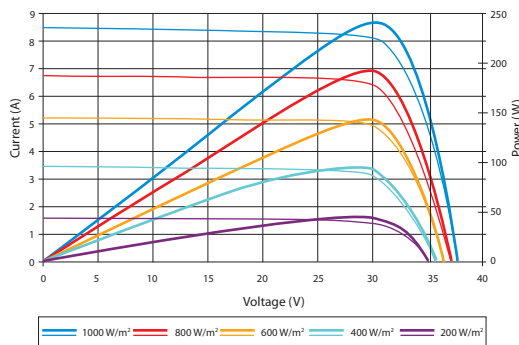
NOCT	STP255-20/Wd	STP250-20/Wd	STP245-20/Wd
Maximum Power at NOCT (Pmax)	188 W	185 W	181 W
Optimum Operating Voltage (Vmp)	28.1 V	28.0 V	27.8 V
Optimum Operating Current (Imp)	6.68 A	6.59 A	6.51 A
Open Circuit Voltage (Voc)	34.7 V	34.5 V	34.3 V
Short Circuit Current (Isc)	7.12 A	7.01 A	6.94 A

NOCT: Irradiance 800 W/m², 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%



Note: mm [inch]

Current-Voltage & Power-Voltage Curve(245-20)



Excellent performance under weak light conditions: at an irradiance intensity of 200 W/m² (AM 1.5, 25 °C), 95.5% or higher of the STC efficiency (1000 W/m²) is achieved

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.43 %/°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 glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated (3 bypass diodes)
Output Cables	TUV (2Pfg1169:2007) 4.0 mm ² (0.006 inches ²), symmetrical lengths (-) 1000mm (39.4 inches) and (+) 1000 mm (39.4 inches)
Connectors	MC4 connectors

Packing Configuration

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

Dealer information

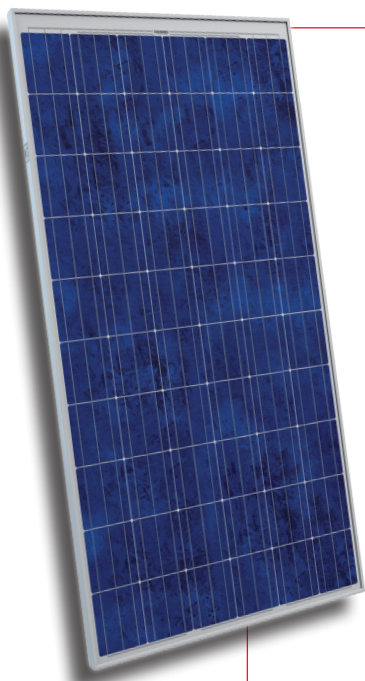
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STP260 - 20/Wd STP255 - 20/Wd



260 Watt POLYCRYSTALLINE SOLAR MODULE



Features



High module conversion efficiency

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



Excellent weak light performance

Excellent performance under low light conditions



Positive tolerance

Positive tolerance of up to 5% delivers higher outputs 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

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

Certifications and standards:
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Trust Suntech to Deliver Reliable Performance Over Time

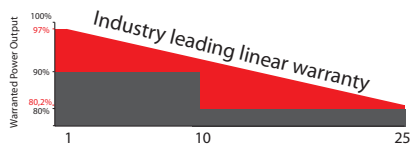
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- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, DIN 50916:1985 T2, DIN EN 60068-2-68)***



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Industry-leading Warranty based on nominal power



- 97% 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 80.2% in the 25th year after the defined WARRANTY STARTING DATE.****
- 10-year material and workmanship warranty

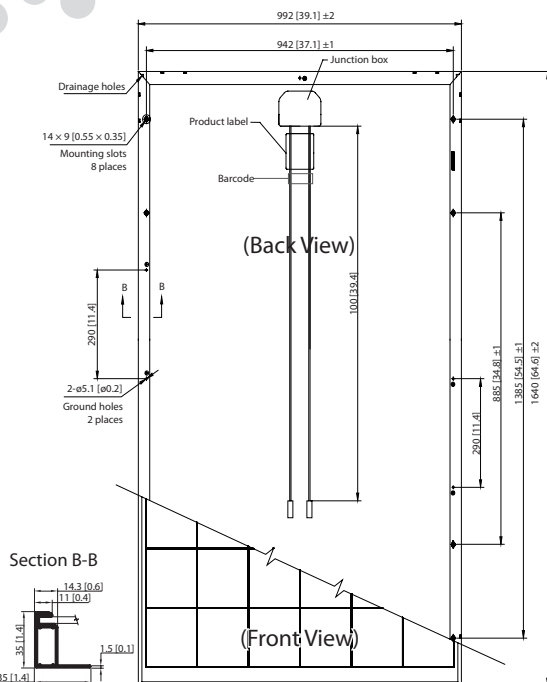


IP67 Rated Junction Box

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Note: mm [inch]

Electrical Characteristics

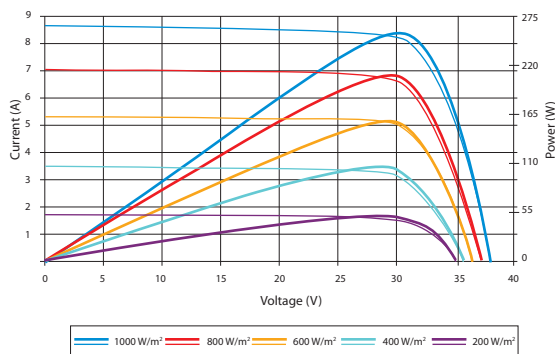
STC	STP260-20/Wd	STP255-20/Wd
Maximum Power at STC (Pmax)	260 W	255 W
Optimum Operating Voltage (Vmp)	30.9 V	30.8 V
Optimum Operating Current (Imp)	8.42 A	8.28 A
Open Circuit Voltage (Voc)	37.7 V	37.6 V
Short Circuit Current (Isc)	8.89 A	8.76 A
Module Efficiency	16.0%	15.7%
Operating Module Temperature	-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/m², 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/Wd	STP255-20/Wd
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/m², 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(255-20)



Excellent performance under weak light conditions: at an irradiation intensity of 200 W/m² (AM 1.5, 25 °C), 95.5% or higher of the STC efficiency (1000 W/m²) is achieved

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.43 %/°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)
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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 glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated (3 bypass diodes)
Output Cables	TUV (2Pfg1 169:2007) 4.0 mm ² (0.006 inches ²), symmetrical lengths (-) 1000mm (39.4 inches) and (+) 1000 mm (39.4 inches)
Connectors	MC4 connectors

Packing Configuration

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

Dealer information

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Jl. Deplu Raya No. 7, Bintaro
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