Stand the Test of Time

2022
Product Manual

EN-STP-Product Brochure-
NO3.03-Rev 2022

Contents

Global Leading PV Manufacturer

Materials Depot，founded in 2001, as a famous photovoltaic manufacturer in the world, is devoted to the R&D and th eproduction of crystalline silicon solar cells and modules for 21 years. The company has its sales areas spreac all ov er more than 100 countries and regions in the world, and the cumulative historical shipments exceeded 30 GW.

We aim to become the most trusted PV company through continuous innovation and excellent management.

Global Network

Materials Depot's business footprint covers more than 100 countries around the world, with more than 1500 industry-leading partners.

Materials Depot Trustworthy Quality

Excellent reliability

Materials Depot is fully certified by Professional third party testing organizations. The modules c an adapt to harsh climate environment.

Comprehensive quality assurance system

Materials Depot provides a 12-year product warranty, and a 25-year performance warranty for all products (a 30-year warranty for double glass products).

Through a comprehensive pre-sales and after-sales service system, Suntech provides high-quality service to global customers

Materials Depot **warranties are backed for projects since 2014 with a leading insurance company to provide safety to the investor and financing parties.**

Munich RE

Globalization & Localization

Materials Depot adheres the core market concept of "Globalization & Localization".

EuPD Research rated Materials Depot as a "Top Brand PV" for many years.

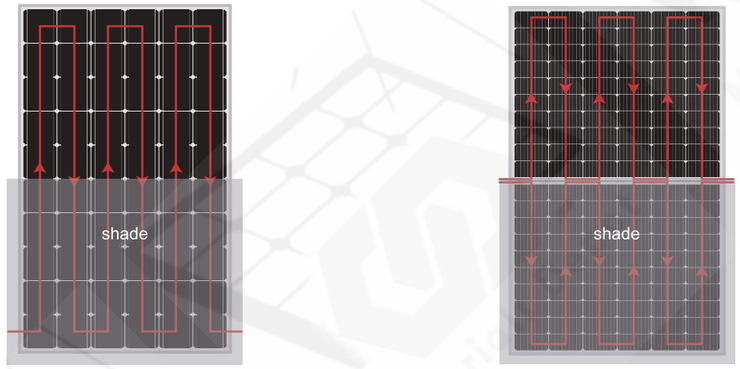
Delicacy management

Guaranteed Quality:	52 steps quality control and inspection process
Rigorous Control:	FQC 100% appearance inspection, OBA appearance spot inspection, OQC delivery inspection
Management System:	Certification of ISO9001 quality system, ISO14001 environmental management system, ISO45001 occupational health and safety management system, SA8000 social responsibility standards, IEC TS 62941 standard system

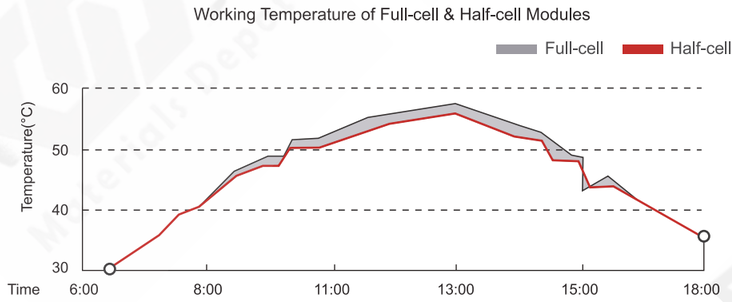
Half-cell Technology

Reducing current and loss: Current density is reduced by 50%, internal power loss is reduced by 25%, and rated output power is increased.

Low shading loss: The split-type module design effectively reduces the current mismatch caused by shadow, and the power output is enhanced.



Lower working temperature: The working temperature of the half-cell modules is 2-3°C lower than the full-cell modules, greatly ensuring the safe working environment.

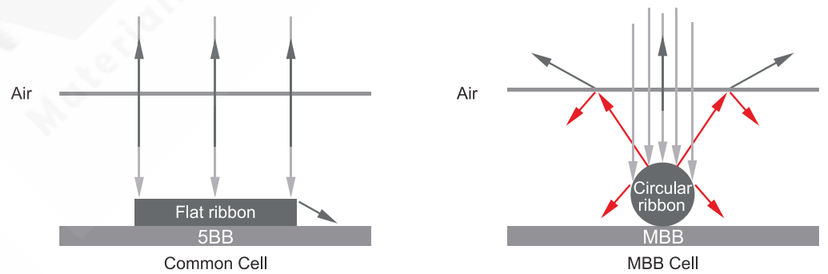


MBB Technology

Reducing string and increasing energy: An increase in the number of busbar shortens the lateral current collection path, decreases the component Rs (series resistance), and increases the output power.

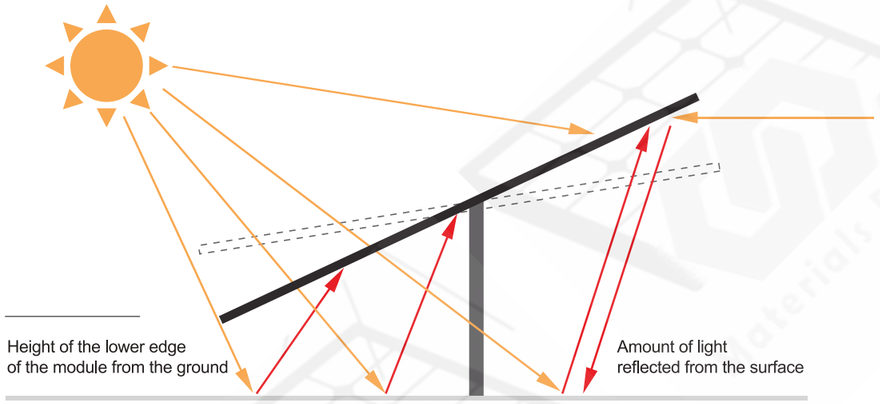
Reducing busbar loss: The busbars are more densely distributed, reducing loss.

Improving efficiency: The circular ribbon reduces the shading area and repeatedly reflects the incident light to enhance the power generation.



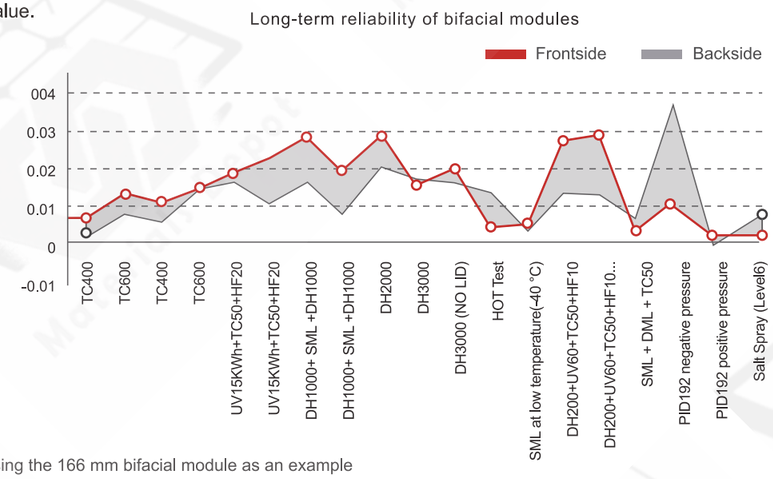
Bifacial Technology

Double-sided generation, powerfully energy boost: Fully utilizing the reflection and scattering of light, applying to highly reflective scenes such as water, sand, grass and white painted ground. With various types of brackets, more power is obtained, under lower kilowatt-hour costs.



Note: Using the tracker as an example

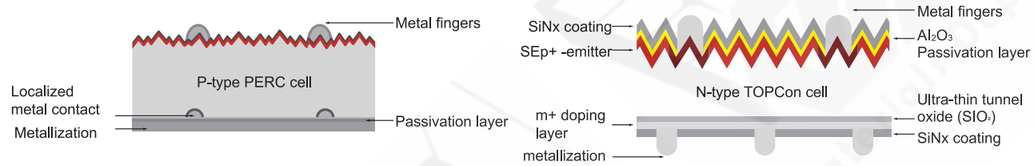
High reliability: Bifacial modules demonstrate superior long-term reliability, higher quality, and create more value.



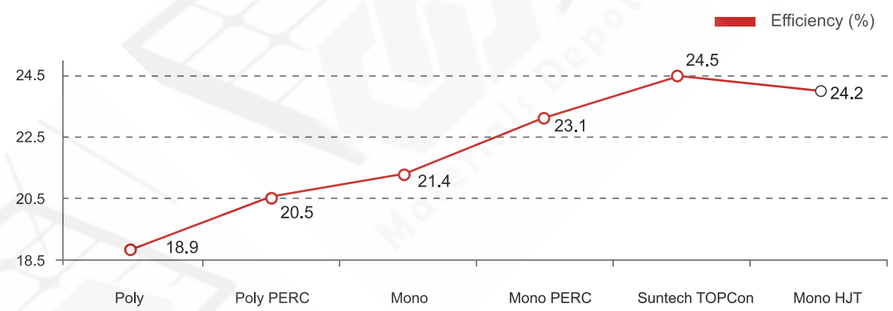
Note: Using the 166 mm bifacial module as an example

N-type Technology

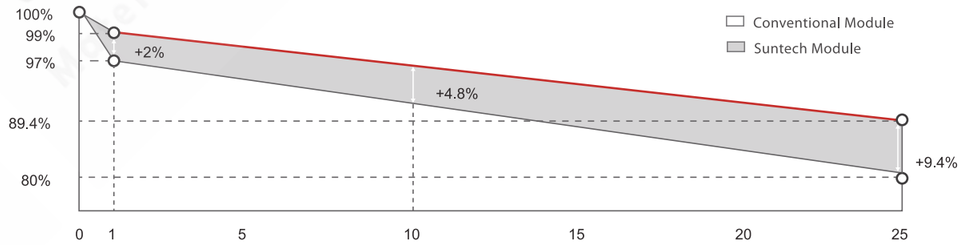
Multi-layer energy enhancement and efficiency iteration: TOPCon cell adopts a new surface passivation technology, which effectively reduces surface compound and metal contact compound, and has an area for efficiency improvement, and the efficiency of Suntech N-type cell has exceeded 24.5%.



Efficiencies of different cell technologies

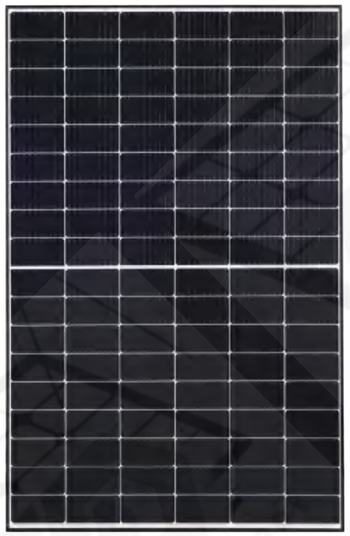


Excellent warranty: Compared with conventional modules, TOPCon modules have 2% lower first-year attenuation and 0.31% lower annual attenuation than conventional modules, resulting in higher power generation and higher revenue for customers.



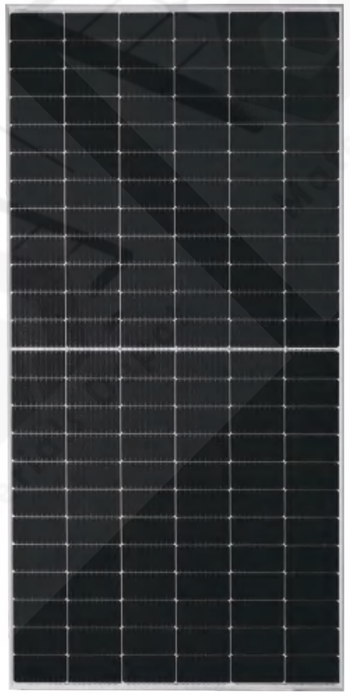
Ultra Series

Ultra V, and Ultra X series, which differs in waffer sizes respectively from 182mm to 210mm. The Ultra V Pro series is a new upgrade which is adopted N-type 182mm wafer with TOPCon technology instead of PERC to show a superior power efficiency more than 24.5% .



410 W+

Ultra V

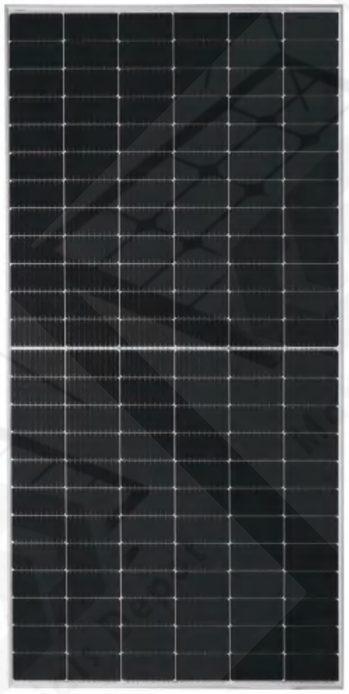


550 W+

Ultra V

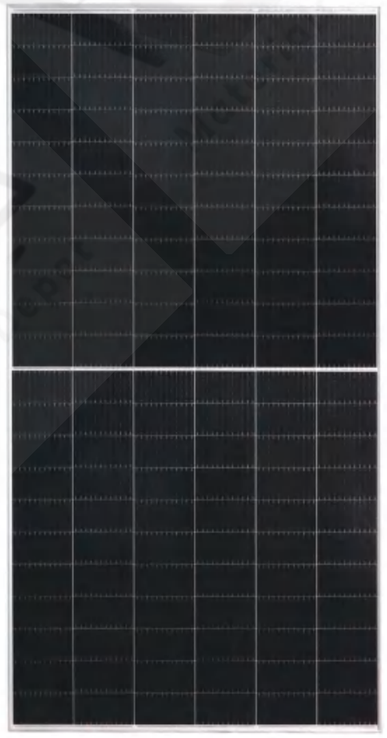
430 W+

Ultra V Pro



570 W+

Ultra V Pro

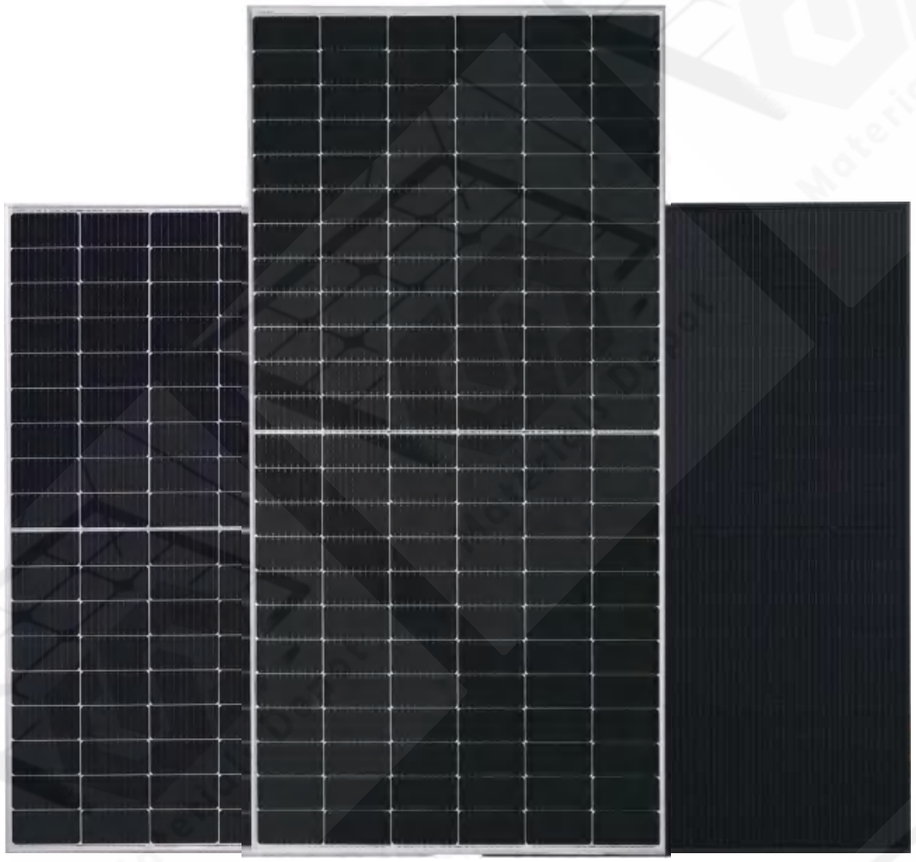


670 W+

Ultra X

Ultra V series

Hardcore energy and reliable technology



Introduction

The Ultra V product adopts 182mm large size wafers, and MBB and half-cell technology, which greatly shortens the current conduction distance on the fine grid by more than 50% and reduces the Rs (series resistance) loss. The Ultra V module has a higher energy density and can reach a maximum power of 550W.

Features

- Tracker
- 2400/5400Pa
- Lower BoS Cost
- Lower Working Temperature
- Higher Output
- Optimize Circuit And Decrease Internal Loss
- Ageing Resistance
- Distributed unction Box

Basic Products

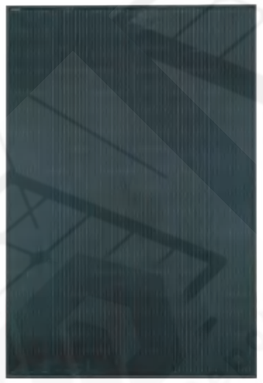
Series	Module type	Power / w	No.of cells / pcs	Dimensions / mm	Weight / kg
Ultra V	C54-Umhb	390-410	108	1722×1134×30	21.0
	C72-Vmh	535-555	144	2278×1134×35	27.5
	C72-Pmh+	530-550	144	2278×1134×30	32.0

Note: See datesheeet for details.

Ultra V mini

HALF-CELL MONOFACIAL MODULE

TYPE: STPXXXS - C54/Umhb



POWER OUTPUT
390-410W

MAX EFFICIENCY
21.0%

Features

High module conversion efficiency
Module efficiency up to **21.0%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperatureand temperature coefficient increases the power output

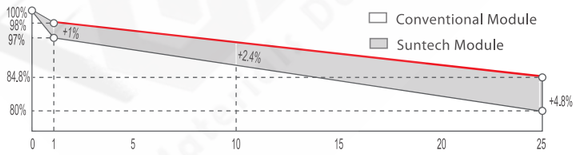
Suntech current sorting process
Up to **2%** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

Extended wind and snow load tests
Module certified to withstand extreme wind (**3800** Pascal) and snow loads (**6000** Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

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

Industry-leading Warranty**



- First year power degradation: 2%
- Annual degradation: 0.55%
- Product warranty: 12years
- linear warranty: 25years

Certifications and Standards

CE IEC 61730 IEC 61215
SA 8000 Social Responsibility Standards
ISO 9001 Quality Management System
ISO 14001 Environment Management System
ISO 45001 Occupational Health and Safety
IEC TS 62941 Guideline for module design qualification and type approval

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Munich RE ****

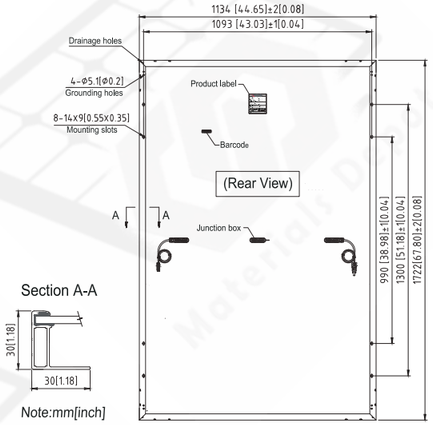
* Please refer to Suntech Standard Module Installation Manual for details.
** Please refer to Suntech Limited Warranty for details.

*** WEEE only for EU market.
**** Suntech reserves the right to the final interpretation of the warranty by Munich Re.

Ultra V STPXXXS - C54/Umhb 390-410W

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182mm
No. of Cells	108 (6 × 18)
Dimensions	1722 × 1134 × 30mm (67.8 × 44.6 × 1.2inches)
Weight	21.0kgs (46.3lbs.)
Front Glass	3.2mm (0.126inches) fully tempered glass
Output Cables	4.0mm ² (-) 350mm (+) 160mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W



Note:mm[inch]

Electrical Characteristics

Module Type	STP**410** S-C54/Umhb		STP**405** S-C54/Umhb		STP**400** S-C54/Umhb		STP**395** S-C54/Umhb		STP**390** S-C54/Umhb	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	410	309.6	405	306.0	400	302.3	395	298.6	390	294.9
Optimum Operating Voltage(Vmp/V)	31.59	29.2	31.38	29.0	31.18	28.8	30.98	28.6	30.76	28.4
Optimum Operating Current (Imp/A)	12.98	10.62	12.91	10.56	12.83	10.50	12.76	10.44	12.69	10.38
Open Circuit Voltage (Voc/V)	37.45	35.2	37.24	35.0	37.04	34.8	36.84	34.6	36.62	34.4
Short Circuit Current (Isc/A)	13.88	11.16	13.81	11.10	13.73	11.04	13.66	10.98	13.59	10.93
Module Efficiency (%)	21.0		20.7		20.5		20.2		20.0	

STC: Irradiance 1000 W/m² , module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

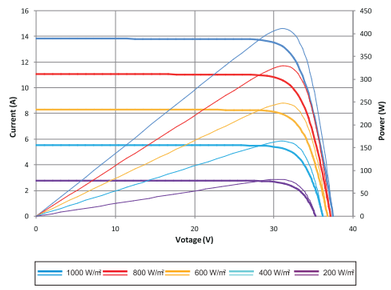
Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C

Packing Configuration

Container	40 ' HC
Pieces per pallet	36
Pallets per container	26
Pieces per container	936
Packaging box dimensions	1755×1120×1255mm
Packaging box weight	794kg

Graphs

Current-Voltage & Power-Voltage Curve (410S)



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.

Ultra V

HALF-CELL MONOFACIAL MODULE

TYPE: STPXXXS - C72/Vmh

POWER OUTPUT
535-555W

MAX EFFICIENCY
21.5%

Features

High module conversion efficiency
Module efficiency up to **21.5%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperatureand temperature coefficient increases the power output

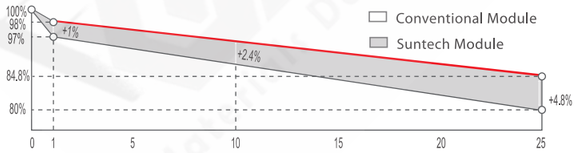
Suntech current sorting process
Up to **2%** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

Extended wind and snow load tests
Module certified to withstand extreme wind (**2400** Pascal) and snow loads (**5400** Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

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

Industry-leading Warranty**



- First year power degradation: 2%
- Annual degradation: 0.55%
- Product warranty: 12years
- linear warranty: 25years

Certifications and Standards

CE IEC 61730 IEC 61215
SA 8000 Social Responsibility Standards
ISO 9001 Quality Management System
ISO 14001 Environment Management System
ISO 45001 Occupational Health and Safety
IEC TS 62941 Guideline for module design qualification and type approval

*** ****

Munich RE

* Please refer to Suntech Standard Module Installation Manual for details.
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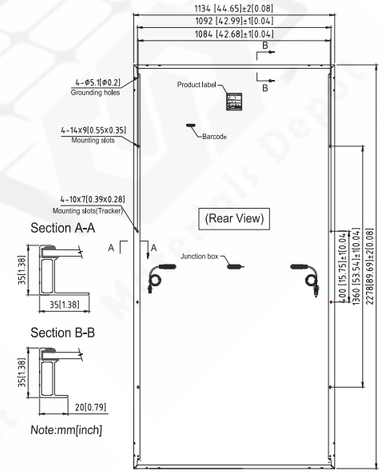
Ultra V STPXXXS - C72/Vmh 535-555W

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35mm (89.7 × 44.6 × 1.4inches)
Weight	27.5kgs (60.6lbs.)
Front Glass	3.2mm (0.126inches) fully tempered glass
Output Cables	4.0mm ² (-) 350mm (+) 160mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

For tracker installation, please turn to Suntech for mechanical load information.



Electrical Characteristics

Module Type	STP **555** S-C72/Vmh		STP **550** S-C72/Vmh		STP **545** S-C72/Vmh		STP **540** S-C72/Vmh		STP **535** S-C72/Vmh	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	555	418.7	550	415.0	545	411.5	540	408.0	535	404.3
Optimum Operating Voltage(Vmp/V)	42.24	39.1	42.05	38.9	41.87	38.7	41.75	38.6	41.57	38.4
Optimum Operating Current (Imp/A)	13.14	10.72	13.08	10.67	13.02	10.63	12.94	10.58	12.87	10.53
Open Circuit Voltage (Voc/V)	50.07	47.0	49.88	46.9	49.69	46.7	49.54	46.5	49.39	46.4
Short Circuit Current (Isc/A)	14.07	11.27	14.01	11.22	13.96	11.18	13.89	11.13	13.83	11.08
Module Efficiency (%)	21.5		21.3		21.1		20.9		20.7	

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

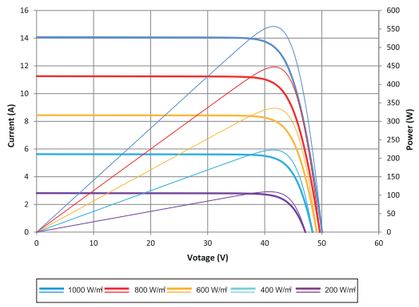
Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C

Packing Configuration

Container	40 ' HC
Pieces per pallet	31
Pallets per container	20
Pieces per container	620
Packaging box dimensions	2310×1120×1255mm
Packaging box weight	902kg

Graphs

Current-Voltage & Power-Voltage Curve (555S)



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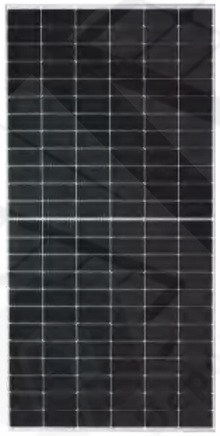
HALF-CELL BIFACIAL MODULE

TYPE: STPXXXS - C72/Pmh+

POWER OUTPUT
530-550W

MAX EFFICIENCY
21.3%



Features

High module conversion efficiency
Module efficiency up to **21.3%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperatureand temperature coefficient increases the power output

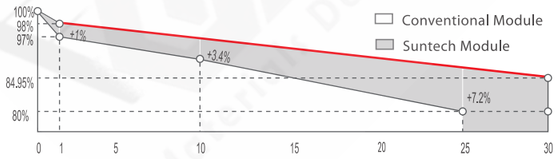
Suntech current sorting process
Up to **2%** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

Extended wind and snow load tests
Module certified to withstand extreme wind (**2400** Pascal) and snow loads (**5400** Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

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

Industry-leading Warranty**



- First year power degradation: 2%
- Annual degradation: 0.45%
- Product warranty: 12years
- linear warranty: 30years

* Please refer to Suntech Standard Module Installation Manual for details.
** Please refer to Suntech Limited Warranty for details.

Certifications and Standards

CE IEC 61730 IEC 61215
SA 8000 Social Responsibility Standards
ISO 9001 Quality Management System
ISO 14001 Environment Management System
ISO 45001 Occupational Health and Safety
IEC TS 62941 Guideline for module design qualification and type approval

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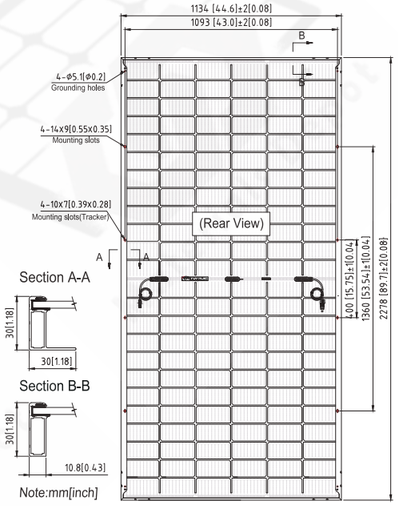
STPXXXS - C72/Pmh+ 530-550W

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 30mm (89.7 × 44.6 × 1.2inches)
Weight	32.0kgs (70.5lbs.)
Front\ Back Glass	2.0+2.0mm (0.079+ 0.079inches) semi-tempered glass
Output Cables	4.0mm ² (-) 350mm and (+) 160mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W
Refer. Bifaciality Factor	(70 ± 5)%
Packing Configuration	Packaging box dimensions (mm) : 2310×1120×1255 Packaging box weight (kg) : 1202 36 Pieces per pallet 720 Pieces per container / 40 ' HC

For tracker installation, please turn to Suntech for mechanical load information.



Electrical Characteristics

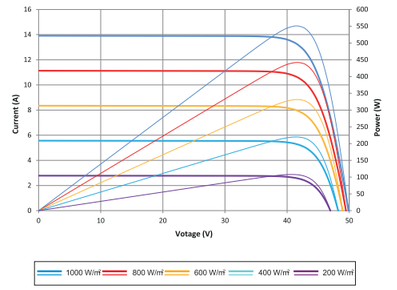
Module Type	STP **550** S-C72/Pmh+		STP **545** S-C72/Pmh+		STP **540** S-C72/Pmh+		STP **535** S-C72/Pmh+		STP **530** S-C72/Pmh+	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	550	415.0	545	411.5	540	408.0	535	404.3	530	400.6
Optimum Operating Voltage(Vmp/V)	42.05	38.9	41.87	38.7	41.75	38.6	41.57	38.4	41.39	38.2
Optimum Operating Current (Imp/A)	13.08	10.67	13.02	10.63	12.94	10.58	12.87	10.53	12.81	10.47
Open Circuit Voltage (Voc/V)	49.88	46.9	49.69	46.7	49.54	46.5	49.39	46.4	49.24	46.3
Short Circuit Current (Isc/A)	14.01	11.22	13.96	11.18	13.89	11.13	13.83	11.08	13.76	11.02
Module Efficiency (%)	21.3		21.1		20.9		20.7		20.5	

STC: Irradiance 1000 W/m² , module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Different Rearside Power Gain Reference to 540S Front

Rearside Power Gain	5%	15%	25%
Maximum Power at STC (Pmax)	567.0	621.0	675.0
Optimum Operating Voltage(Vmp/V)	41.8	41.8	41.9
Optimum Operating Current (Imp/A)	13.59	14.88	16.18
Open Circuit Voltage (Voc/V)	49.5	49.5	49.6
Short Circuit Current (Isc/A)	14.58	15.97	17.36
Module Efficiency (%)	21.9	24.0	26.1

Graphs Current-Voltage & Power-Voltage (550S)



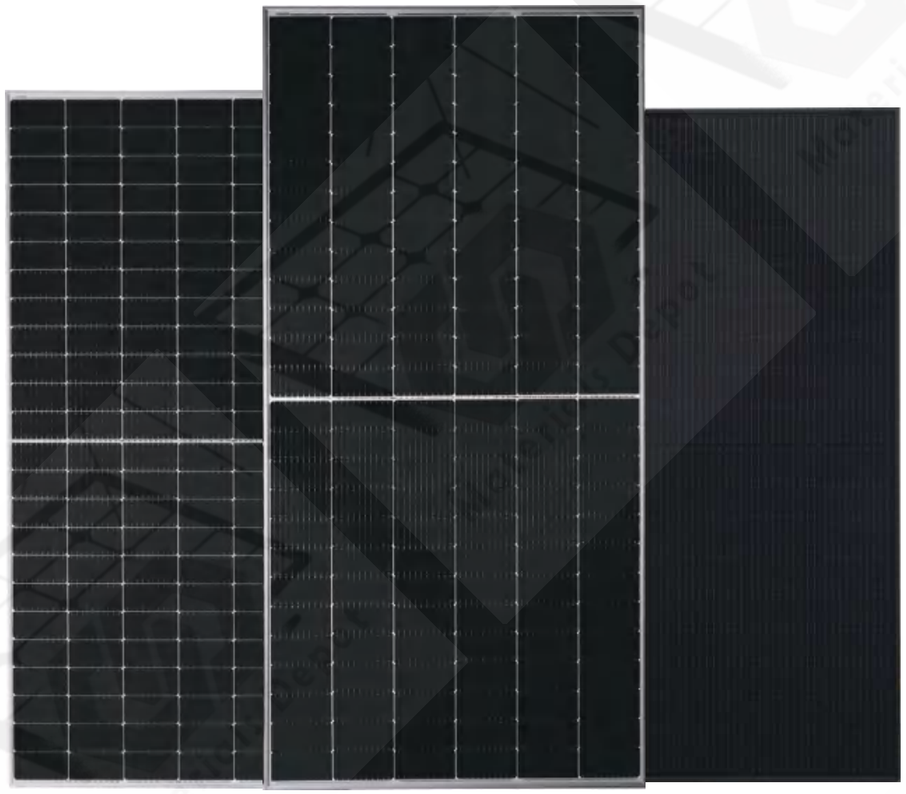
Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C

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.

Ultra V Pro series

Cutting-edge technology, leading innovation



Introduction

The Ultra V Pro series adopts N-type 182mm size wafers and relies on the new TOPCon technology, resulting in cell efficiencies of over 24.5%; The Ultra V Pro series adopts 182mm N-type TOPCon cells. Compared with P-type PERC cells, the cell efficiency increases by more than 1.5%. With low temperature coefficient, the power generation is 3-4% higher than PERC's; and the excellent bifacial gain is 15% higher. The degradation is only 1% in the first year and 0.4% each subsequent year. The excellent power generation performance creates higher revenue for customers.

Features

- Tracker
- Higher Power Output
- Lower BoS Cost
- Lower Working Temperature
- High Efficiency
- Zero LID
- Lowest Temperature Coefficient
- Bifacial Gain

Basic Products

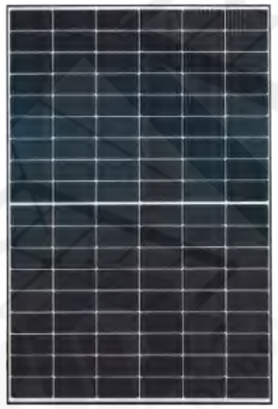
Series	Module type	Power / w	No.of cells / pcs	Dimensions / mm	Weight / kg
Ultra V Pro	C54-Umhm	410-430	108	1722×1134×30	21.0
	C54-Nmhb+	410-430	108	1722×1134×30	23.8
	C72-Vmh	555-575	144	2278×1134×35	27.5
	C72-Nmh+	550-570	144	2278×1134×30	32.0

Note: See datesheeet for details.

Ultra V Pro mini

HALF-CELL N-Type TOPCon MONOFACIAL MODULE

TYPE: STPXXXS - C54/Umhm



POWER OUTPUT
410-430W

MAX EFFICIENCY
22.0%

Features

High module conversion efficiency
Module efficiency up to **22.0%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperatureand temperature coefficient increases the power output

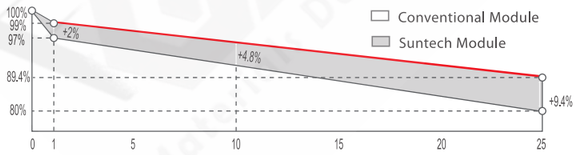
Suntech current sorting process
Up to **2%** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

Extended wind and snow load tests
Module certified to withstand extreme wind (**3800** Pascal) and snow loads (**6000** Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

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

Industry-leading Warranty**



- First year power degradation: 1%
- Annual degradation: 0.40%
- Product warranty: 12years
- linear warranty: 25years

Certifications and Standards

CE IEC 61730 IEC 61215
SA 8000 Social Responsibility Standards
ISO 9001 Quality Management System
ISO 14001 Environment Management System
ISO 45001 Occupational Henlth and Safety
IEC TS 62941 Guideline for module design qualification and type approval

***

****

Munich RE

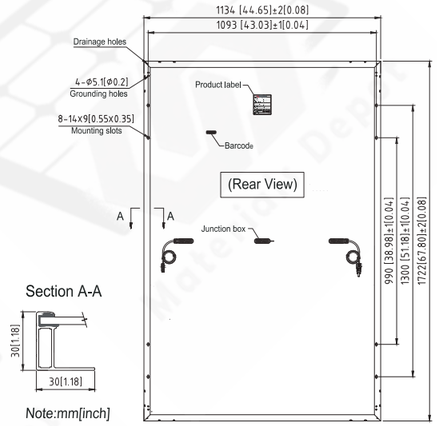
* Please refer to Suntech Standard Module Installation Manual for details.
** Please refer to Suntech Limited Warranty for details.

*** WEEE only for EU market.
**** Suntech reserves the right to the final interpretation of the warranty by Munich Re.

Ultra V Pro STPXXXS - C54/Umhm 410-430W

Mechanical Characteristics

Solar Cell	N-type Monocrystalline silicon 182mm
No. of Cells	108 (6 × 18)
Dimensions	1722 × 1134 × 30mm (67.8 × 44.6 × 1.2inches)
Weight	21.0kgs (46.3lbs.)
Front Glass	3.2mm (0.126inches) fully tempered glass
Output Cables	4.0mm ² (-) 350mm (+) 160mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500V DC (IEC)
	25A
Power Tolerance	0/+5W



Electrical Characteristics

Module Type	STP**430** S-C54/Umhm		STP**425** S-C54/Umhm		STP**420** S-C54/Umhm		STP**415** S-C54/Umhm		STP**410** S-C54/Umhm	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	430	328.7	425	325.0	420	321.1	415	317.3	410	313.5
Optimum Operating Voltage(Vmp/V)	32.33	30.2	32.15	30.0	31.96	29.9	31.78	29.7	31.59	29.6
Optimum Operating Current (Imp/A)	13.30	10.89	13.22	10.82	13.14	10.75	13.06	10.68	12.98	10.60
Open Circuit Voltage (Voc/V)	38.72	36.8	38.59	36.6	38.46	36.5	38.33	36.4	38.20	36.3
Short Circuit Current (Isc/A)	14.25	11.49	14.17	11.42	14.09	11.36	14.01	11.30	13.93	11.23
Module Efficiency (%)	22.0		21.8		21.5		21.3		21.0	

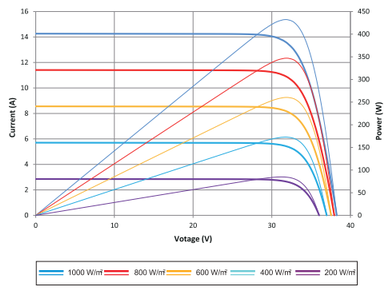
STC: Irradiance 1000 W/m ² , module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m ² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C

Graphs

Current-Voltage & Power-Voltage Curve (430S)



Packing Configuration

Container	40 ' HC
Pieces per pallet	36
Pallets per container	26
Pieces per container	936
Packaging box dimensions	1755×1120×1255mm
Packaging box weight	794kg

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.

Ultra V Pro mini

HALF-CELL N-Type TOPCon BIFACIAL MODULE

TYPE: STPXXXS - C54/Nmhb+

POWER OUTPUT
410-430W

MAX EFFICIENCY
22.0%

Features

High module conversion efficiency
Module efficiency up to **22.0%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperatureand temperature coefficient increases the power output

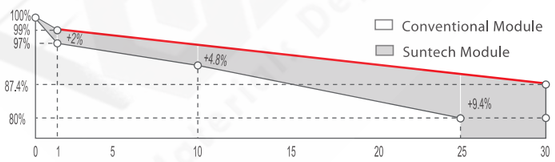
Ultra-low LID degradation
Zero LID performance with N-type cells which grately enhances module power.

Extended wind and snow load tests
Module certified to withstand extreme wind (**3800** Pascal) and snow loads (**6000** Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

Matched for the roof perfectly
Elegant all-black, outstanding design

Industry-leading Warranty**



- First year power degradation: 1%
- Annual degradation: 0.40%
- Product warranty: 12years
- linear warranty: 30years

Certifications and Standards

CE IEC 61730 IEC 61215
SA 8000 Social Responsibility Standards
ISO 9001 Quality Management System
ISO 14001 Environment Management System
ISO 45001 Occupational Health and Safety
IEC TS 62941 Guideline for module design qualification and type approval

Munich RE ****

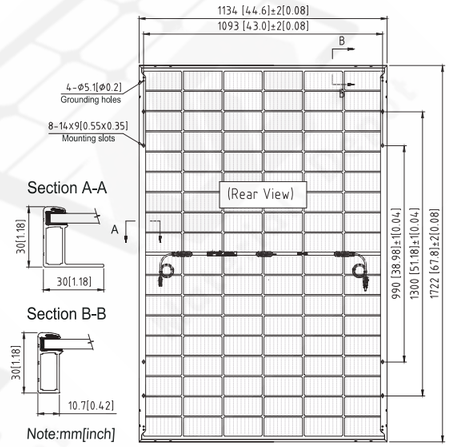
* Please refer to Suntech Standard Module Installation Manual for details.
** Please refer to Suntech Limited Warranty for details.

*** WEEE only for EU market.
**** Suntech reserves the right to the final interpretation of the warranty by Munich Re.

Ultra V Pro STPXXXS - C54/Nmhb+ 410-430W

Mechanical Characteristics

Solar Cell	N-type Monocrystalline silicon 182mm
No. of Cells	108 (6 × 18)
Dimensions	1722 × 1134 × 30mm (67.8 × 44.6 × 1.2 inches)
Weight	23.8 kgs (52.5 lbs.)
Front\ Back Glass	2.0 + 2.0 mm (0.079+ 0.079 inches) semi-tempered glass
Output Cables	4.0mm ² (-) 350mm and (+) 160mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W
Refer. Bifaciality Factor	(80 ± 5)%
Packing Configuration	Packaging box dimensions (mm) : 1755×1120×1255 Packaging box weight (kg) : 894 36 Pieces per pallet 936 Pieces per container / 40' HC



Note:mm[inch]

Electrical Characteristics

Module Type	STP **430** S-C54/Nmhb+		STP **425** S-C54/Nmhb+		STP **420** S-C54/Nmhb+		STP **415** S-C54/Nmhb+		STP **410** S-C54/Nmhb+	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	430	328.7	425	325.0	420	321.1	415	317.3	410	313.5
Optimum Operating Voltage(Vmp/V)	32.33	30.2	32.15	30.0	31.96	29.9	31.78	29.7	31.59	29.6
Optimum Operating Current (Imp/A)	13.30	10.89	13.22	10.82	13.14	10.75	13.06	10.68	12.98	10.60
Open Circuit Voltage (Voc/V)	38.72	36.8	38.59	36.6	38.46	36.5	38.33	36.4	38.20	36.3
Short Circuit Current (Isc/A)	14.25	11.49	14.17	11.42	14.09	11.36	14.01	11.30	13.93	11.23
Module Efficiency (%)	22.0		21.8		21.5		21.3		21.0	

STC: Irradiance 1000 W/m² , module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

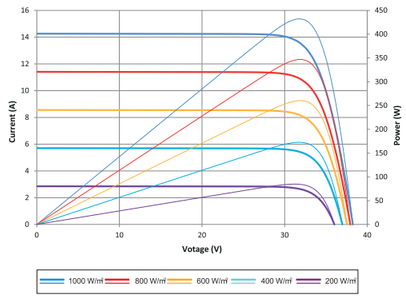
Different Rearside Power Gain

Reference to 420S Front

Rearside Power Gain	5%	15%	25%
Maximum Power at STC (Pmax)	441.0	483.0	525.0
Optimum Operating Voltage(Vmp/V)	32.0	32.0	32.1
Optimum Operating Current (Imp/A)	13.80	15.11	16.43
Open Circuit Voltage (Voc/V)	38.5	38.5	38.6
Short Circuit Current (Isc/A)	14.79	16.20	17.61
Module Efficiency (%)	22.6	24.7	26.9

Graphs

Current-Voltage & Power-Voltage (430S)



Temperature Characteristics

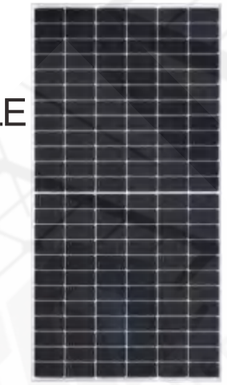
Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C

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.

Ultra V Pro

HALF-CELL N-Type TOPCon MONOFACIAL MODULE

TYPE: STPXXXS - C72/Vmh



POWER OUTPUT
555-575W

MAX EFFICIENCY
22.3%

Features

High module conversion efficiency
Module efficiency up to **22.3%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperatureand temperature coefficient increases the power output

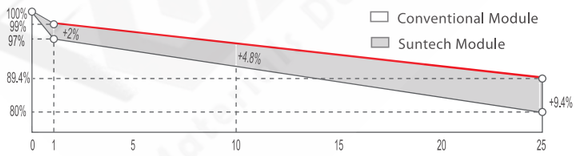
Suntech current sorting process
Up to **2%** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

Extended wind and snow load tests
Module certified to withstand extreme wind (**2400** Pascal) and snow loads (**5400** Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

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

Industry-leading Warranty**



- First year power degradation: 1%
- Annual degradation: 0.40%
- Product warranty: 12years
- linear warranty: 25years

Certifications and Standards

CE IEC 61730 IEC 61215
SA 8000 Social Responsibility Standards
ISO 9001 Quality Management System
ISO 14001 Environment Management System
ISO 45001 Occupational Health and Safety
IEC TS 62941 Guideline for module design qualification and type approval

Munich RE ****

* Please refer to Suntech Standard Module Installation Manual for details.
** Please refer to Suntech Limited Warranty for details.

*** WEEE only for EU market.
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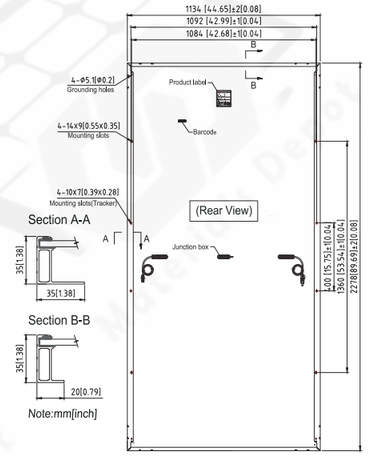
Ultra V Pro STPXXXS - C72/Vmh 555-575W

Mechanical Characteristics

Solar Cell	N-type Monocrystalline silicon 182mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35mm (89.7 × 44.6 × 1.4inches)
Weight	27.5kgs (60.6lbs.)
Front Glass	3.2mm (0.126inches) fully tempered glass
Output Cables	4.0mm ² (-) 350mm (+) 160mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

For tracker installation, please turn to Suntech for mechanical load information.



Electrical Characteristics

Module Type	STP **575** S-C72/Vmh		STP **570** S-C72/Vmh		STP **565** S-C72/Vmh		STP **560** S-C72/Vmh		STP **555** S-C72/Vmh	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	575	438.4	570	434.6	565	430.7	560	426.9	555	423.2
Optimum Operating Voltage(Vmp/V)	42.56	40.2	42.44	40.1	42.32	39.9	42.20	39.8	42.08	39.7
Optimum Operating Current (Imp/A)	13.51	10.91	13.43	10.85	13.35	10.79	13.27	10.72	13.19	10.66
Open Circuit Voltage (Voc/V)	51.29	48.7	51.16	48.6	51.03	48.5	50.90	48.3	50.77	48.2
Short Circuit Current (Isc/A)	14.24	11.48	14.16	11.42	14.08	11.35	14.00	11.29	13.92	11.22
Module Efficiency (%)	22.3		22.1		21.9		21.7		21.5	

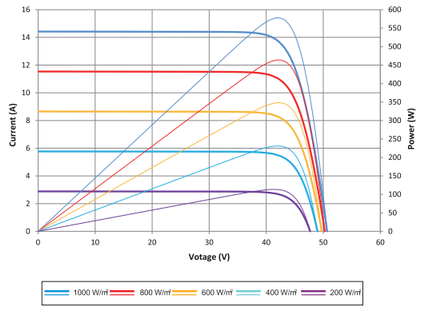
STC: Irradiance 1000 W/m² , module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C

Graphs

Current-Voltage & Power-Voltage Curve (575S)



Packing Configuration

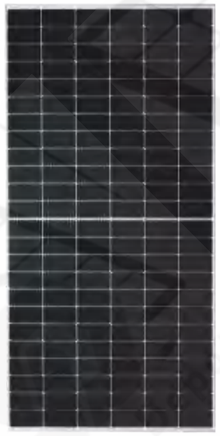
Container	40' HC
Pieces per pallet	31
Pallets per container	20
Pieces per container	620
Packaging box dimensions	2310×1120×1255mm
Packaging box weight	902kg

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.

Ultra V Pro

HALF-CELL N-Type TOPCon BIFACIAL MODULE

TYPE: STPXXXS - C72/Nmh+



POWER OUTPUT
550-570W

MAX EFFICIENCY
22.1%

Features

High module conversion efficiency
Module efficiency up to **22.1%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperatureand temperature coefficient increases the power output

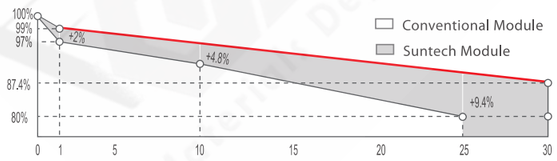
Suntech current sorting process
Up to **2%** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

Extended wind and snow load tests
Module certified to withstand extreme wind (**2400** Pascal) and snow loads (**5400** Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

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

Industry-leading Warranty**



- First year power degradation: 1%
- Annual degradation: 0.40%
- Product warranty: 12years
- linear warranty: 30years

Certifications and Standards

CE IEC 61730 IEC 61215
SA 8000 Social Responsibility Standards
ISO 9001 Quality Management System
ISO 14001 Environment Management System
ISO 45001 Occupational Henlth and Safety
IEC TS 62941 Guideline for module design qualification and type approval

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Munich RE ****

* Please refer to Suntech Standard Module Installation Manual for details.
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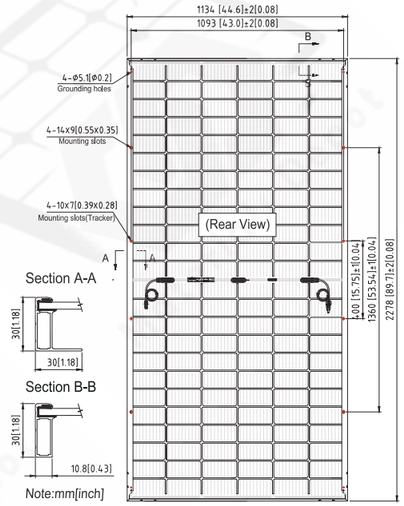
Ultra V Pro STPXXXS - C72/Nmh+ 550-570W

Mechanical Characteristics

Solar Cell	N-type Monocrystalline silicon 182mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 30mm (89.7 × 44.6 × 1.2inches)
Weight	32.0kgs (70.5lbs.)
Front\ Back Glass	2.0+2.0mm (0.079+ 0.079inches) semi-tempered glass
Output Cables	4.0mm ² (-) 350mm and (+) 160mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W
Refer. Bifaciality Factor	(80 ± 5)%
Packing Configuration	Packaging box dimensions (mm) : 2310×1120×1255 Packaging box weight (kg) : 1202 36 Pieces per pallet 720 Pieces per container / 40' HC

For tracker installation, please turn to Suntech for mechanical load information.



Electrical Characteristics

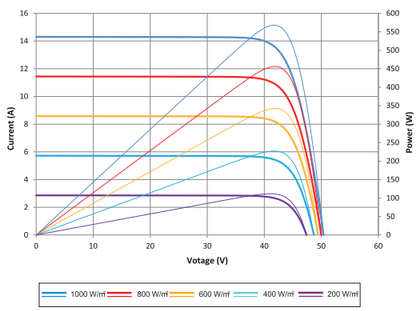
Module Type	STP **570** S-C72/Nmh+		STP **565** S-C72/Nmh+		STP **560** S-C72/Nmh+		STP **555** S-C72/Nmh+		STP **550** S-C72/Nmh+	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	570	434.6	565	430.7	560	426.9	555	423.2	550	419.3
Optimum Operating Voltage(Vmp/V)	42.44	40.1	42.32	39.9	42.20	39.8	42.08	39.7	41.95	39.6
Optimum Operating Current (Imp/A)	13.43	10.85	13.35	10.79	13.27	10.72	13.19	10.66	13.11	10.59
Open Circuit Voltage (Voc/V)	51.16	48.6	51.03	48.5	50.90	48.3	50.77	48.2	50.64	48.1
Short Circuit Current (Isc/A)	14.16	11.42	14.08	11.35	14.00	11.29	13.92	11.22	13.84	11.16
Module Efficiency (%)	22.1		21.9		21.7		21.5		21.3	

STC: Irradiance 1000 W/m² , module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Different Rearside Power Gain Reference to 560S Front

Rearside Power Gain	5%	15%	25%
Maximum Power at STC (Pmax)	588.0	644.0	700.0
Optimum Operating Voltage(Vmp/V)	42.2	42.2	42.3
Optimum Operating Current (Imp/A)	13.93	15.26	16.59
Open Circuit Voltage (Voc/V)	50.9	50.9	51.0
Short Circuit Current (Isc/A)	14.70	16.10	17.50
Module Efficiency (%)	22.8	24.9	27.1

Graphs Current-Voltage & Power-Voltage (570S)



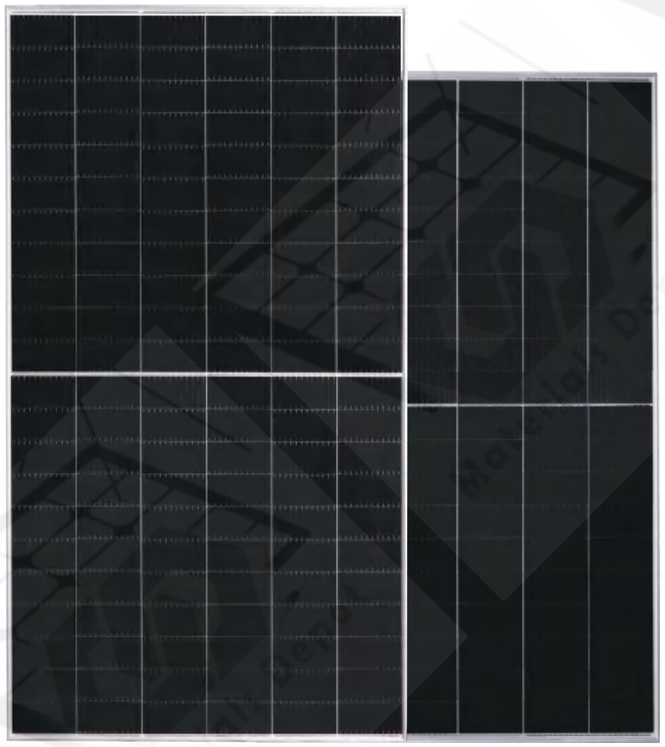
Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C

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.

Ultra X series

Superb output and performance



Introduction

The Ultra X module adopts 210mm size wafers, MBB and high density packaging technology to greatly increase the energy generation of per-unit area of the module, reducing costs and gaining more benefits.

Features

- Weak Light
- 2400/5400Pa
- Lower BoS Cost
- Lower Working Temperature
- Higher Output
- Optimize Circuit And Decrease Internal Loss
- Ageing Resistance
- Distributed Junction Box

Basic Products

Series	Module type	Power / w	No.of cells / pcs	Dimensions / mm	Weight / kg
Ultra X	D66-Wmh	650-670	132	2384×1303×35	34.5
	D66-Pmh+	650-670	132	2384×1303×35	39.9

Note: See datesheeet for details.

Ultra X Plus

HALF-CELL MONOFACIAL MODULE

TYPE: STPXXXS - D66/Wmh

POWER OUTPUT
650-670W

MAX EFFICIENCY
21.6%

Features

High module conversion efficiency
Module efficiency up to **21.6%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperatureand temperature coefficient increases the power output

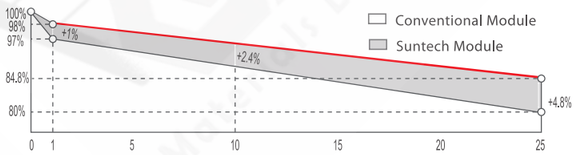
Suntech current sorting process
Up to **2%** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

Extended wind and snow load tests
Module certified to withstand extreme wind (**2400** Pascal) and snow loads (**5400** Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

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

Industry-leading Warranty**



- First year power degradation: 2%
- Annual degradation: 0.55%
- Product warranty: 12years
- linear warranty: 25years

Certifications and Standards

CE IEC 61730 IEC 61215
SA 8000 Social Responsibility Standards
ISO 9001 Quality Management System
ISO 14001 Environment Management System
ISO 45001 Occupational Health and Safety
IEC TS 62941 Guideline for module design qualification and type approval

***

****

* Please refer to Suntech Standard Module Installation Manual for details.
** Please refer to Suntech Limited Warranty for details.

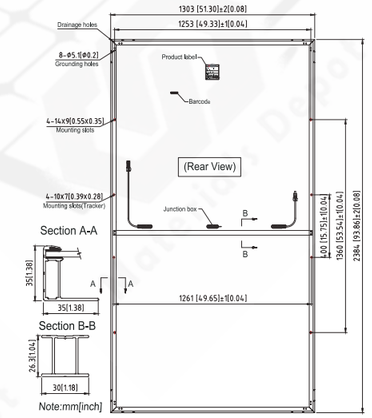
*** WEEE only for EU market.
**** Suntech reserves the right to the final interpretation of the warranty by Munich Re.

Ultra X STPXXXS - D66/Wmh 650-670W

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 210 mm
No. of Cells	132 (6 × 22)
Dimensions	2384 × 1303 × 35mm (93.9 × 51.3 × 1.4inches)
Weight	34.5kgs (76.1lbs.)
Front Glass	3.2mm (0.126inches) fully tempered glass
Output Cables	4.0mm ² (-) 350mm (+) 160mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

For tracker installation, please turn to Suntech for mechanical load information.



Electrical Characteristics

Module Type	STP**670** S-D66/Wmh		STP**665** S-D66/Wmh		STP**660** S-D66/Wmh		STP**655** S-D66/Wmh		STP**650** S-D66/Wmh	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	670	505.5	665	501.7	660	497.9	655	494.1	650	490.3
Optimum Operating Voltage(Vmp/V)	38.45	35.8	38.25	35.7	38.05	35.6	37.85	35.4	37.65	35.2
Optimum Operating Current (Imp/A)	17.43	14.1	17.39	14.07	17.35	13.99	17.31	13.96	17.27	13.92
Open Circuit Voltage (Voc/V)	46.45	43.7	46.25	43.5	46.05	43.4	45.85	43.2	45.65	43.0
Short Circuit Current (Isc/A)	18.43	14.87	18.39	14.84	18.35	14.76	18.31	14.73	18.27	14.7
Module Efficiency (%)	21.6		21.4		21.2		21.1		20.9	

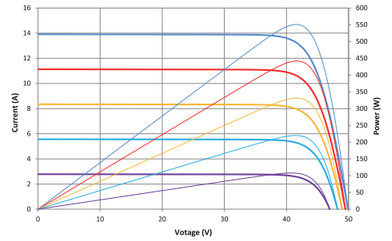
STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C

Graphs

Current-Voltage & Power-Voltage Curve (670S)



Packing Configuration

Container	40 ' HC
Pieces per container	558

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Ultra X Plus

HALF-CELL BIFACIAL MODULE

TYPE: STPXXXS - D66/Pmh+

POWER OUTPUT
650-670W

MAX EFFICIENCY
21.6%

Features

High module conversion efficiency
Module efficiency up to **21.6%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperatureand temperature coefficient increases the power output

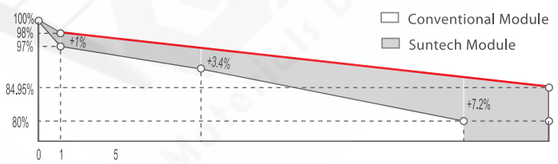
Suntech current sorting process
Up to **2%** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

Extended wind and snow load tests
Module certified to withstand extreme wind (**2400** Pascal) and snow loads (**5400** Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

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

Industry-leading Warranty



year power degradation: 2%
degradation: 0.45%

Product warranty: 12years
linear warranty: 30years

* Please refer to Suntech Standard Module Installation Manual for details.
** Please refer to Suntech Limited Warranty for details.

Certifications and Standards

CE IEC 61730 IEC 61215
SA 8000 Social Responsibility Standards
ISO 9001 Quality Management System
ISO 14001 Environment Management System
ISO 45001 Occupational Henlth and Safety
IEC TS 62941 Guideline for module design qualification and type approval

Munich RE

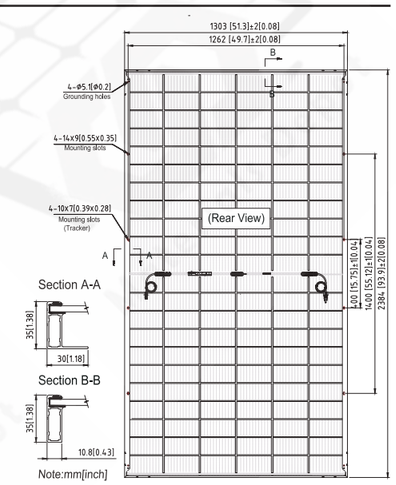
*** WEEE only for EU market.
**** Suntech reserves the right to the final interpretation of the warranty by Munich Re.

Ultra X STPXXXS - D66/Pmh+ 650-670W

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 210mm
No. of Cells	132(6 × 22)
Dimensions	2384 × 1303 × 35mm (93.9 × 51.3 × 1.4inches)
Weight	39.9kgs (88.0lbs.)
Front\ Back Glass	2.0+2.0mm (0.079+ 0.079inches) semi-tempered glass
Output Cables	4.0mm ² (-) 350mm and (+) 160mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W
Refer. Bifaciality Factor	(70 ± 5)%
Packing Configuration	558 Pieces per container / 40 ' HC

For tracker installation, please turn to Suntech for mechanical load information.



Electrical Characteristics

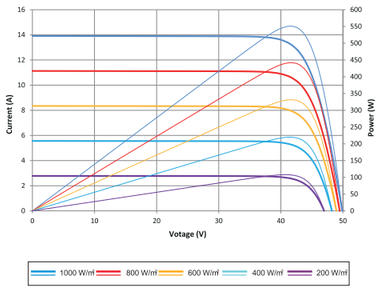
Module Type	STP 670 S-D66/Pmh+		STP 665 S-D66/Pmh+		STP 660 S-D66/Pmh+		STP 655 S-D66/Pmh+		STP 650 S-D66/Pmh+	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	670	505.5	665	501.7	660	497.9	655	494.1	650	490.3
Optimum Operating Voltage(Vmp/V)	38.45	35.8	38.25	35.7	38.05	35.6	37.85	35.4	37.65	35.2
Optimum Operating Current (Imp/A)	17.43	14.10	17.39	14.07	17.35	13.99	17.31	13.96	17.27	13.92
Open Circuit Voltage (Voc/V)	46.45	43.7	46.25	43.5	46.05	43.4	45.85	43.2	45.65	43.0
Short Circuit Current (Isc/A)	18.43	14.87	18.39	14.84	18.35	14.76	18.31	14.73	18.27	14.70
Module Efficiency (%)	21.6		21.4		21.2		21.1		20.9	

STC: Irradiance 1000 W/m² , module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Different Rearside Power Gain Reference to 660S Front

Rearside Power Gain	5%	15%	25%
Maximum Power at STC (Pmax)	693.0	759.0	825.0
Optimum Operating Voltage(Vmp/V)	38.1	38.1	38.2
Optimum Operating Current (Imp/A)	18.22	19.95	21.69
Open Circuit Voltage (Voc/V)	46.1	46.1	46.2
Short Circuit Current (Isc/A)	19.27	21.10	22.94
Module Efficiency (%)	22.3	24.4	26.6

Graphs Current-Voltage & Power-Voltage (670S)



Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C

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Power Plant Projects

Baggersee Maiwald Floating Power Plant
Germany
System Capacity: 750 KW

Enlight Kramim Power Plant
Israel
System Capacity : 18 MW

Agadyr Power Plant
Kazakhstan
System Capacity: 50 MW

Setta PV Power Station
Brazil
System Capacity: 1.5 MW

Power Plant Kimberly Droogfontein
South Africa
System Capacity: 250 MW

Dongying Double Glass Power Plant
China
System Capacity: 92 MW

Shell Moerdijk Power Plant
Netherlands
System Capacity: 26.6 MW

Nuñez de Balboa Power Plant
Spain
System Capacity: 500 MW
(Suntech Supplied 100 MW)

Bejulo Solar Power Plant
Germany
System Capacity: 58.3 MW

Pavagada Power Plant
India
System Capacity: 350 MW
(Suntech Supplied 210 MW)

Tamil Nadu Power Plant
India
System Capacity: 222.5 MW

Solarpark Duurkenakker
Netherlands
System Capacity: 64 MW

Distributed Projects

San Francisco International Airport Terminal 3 Rooftop Project
America
System Capacity: 450 KW

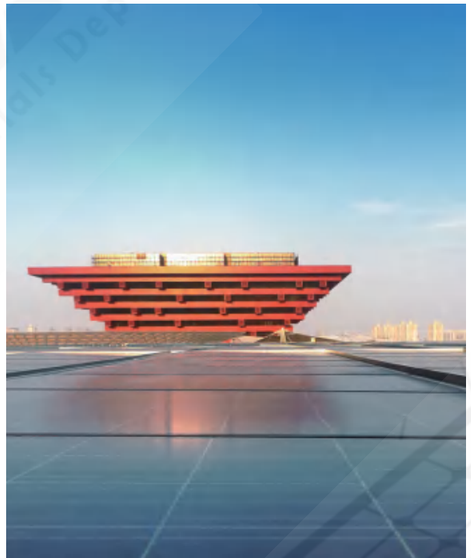
Zhongyuan EP Rooftop Project
China
System Capacity: 27 MW

Hubei Huangshi Rifeng Project
China
System Capacity: 3.1 MW

Kowa Elementary School BIPV Project
Japan
System Capacity: 10 KW

Asian Development Bank Rooftop Project
Philippines
System Capacity: 571 KW

SIEMENS Asia-Pacific Headquarter's Rooftop Project
China
System Capacity: 308 KW



Shanghai Expo BIPV Project
China
System Capacity: 3.14 MW

IKEA Rooftop Project
Australia
System Capacity: 384 KW

Bird's Nest Stadium BIPV Project
China
System Capacity: 130 KW

Sydney Opera House Rooftop Project
Australia
System Capacity: 384 KW