





polycrystalline photovoltaic modules. A record achieved starting from a simple assumption: deep knowledge of the product combined

and tests high-performance solutions for a future more sustainable for all. In 2020. SUNTECH photovoltaic modules will light the lives

the world

















PRODUCTION: SUNTECH IN NUMBERS IN THE WORLD

MORE THAN 20 GW

TOTAL POWER PRODUCED **UNTIL JUNE 2019**

3,4 GW: power of SUNTECH photovoltaic solar modules sent all over the world in 2018.

THE NUMBER OF PATENTS OWNED BY SUNTECH UNTIL TODAY

Of these, 85 patents for inventions and 389 patents for photovoltaic module models.



COUNTRIES IN THE WORLD WHERE SUNTECH PRODUCTS ARE DISTRIBUTED

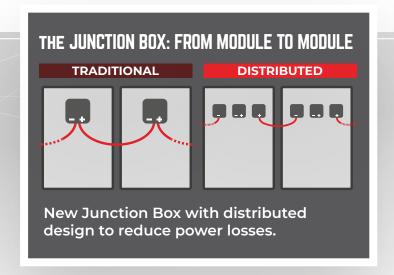
> Thanks to a network of widespread distributors, SUNTECH products can reach every corner of the world from the Gobi desert to the most remote islands.

GLOSSARY

HOW TO READ THE **SUNTECH CATALOGUE**

Below is a brief glossary to correctly understand the indications given in the catalogue.

| MONOCRYSTALLINE | Solar panels with higher efficiency, ideal for small spaces. |
|---------------------------|---|
| POLYCRYSTALLINE | Solar panels that usually reach lower efficiencies than monocrystalline ones, but can be purchased at lower prices. |
| MONOPERC TECHNOLOGY | It allows you to "imprison" more light and achieve greater efficiencies. |
| FULL CELL / HALF CELL | Full cell: traditional cell with the size of 6 "/ Half cell: thanks to the cells half cut, there is a reduction in the loss of power, obtaining a greater energy yield. |
| PID PHENOMENON | Phenomenon linked to a negative polarization that affects the production capacity of the module. |
| (LOSSES FROM) MISMATCH | In systems with modules connected in series, the yield of the modules of the entire series is limited to the behavior of the one with the lowest performance. |
| REVAMPING | Replacement of PV modules in systems - subject to incentives in many countries (like in Italy with Conto Energia). |





SMART DESIGN JUNCTION BOX



GLASS / GLASS



BIFACIAL MODULE



MODULE HIGHER THAN STANDARDS



FRAMELESS DESIGN

SUNTECH QUALITY

DESIGN, TEST, CHECK: THE VIRTUOUS CYCLE OF SUNTECH RESEARCH CENTERS.

The CNAS certified SUNTECH national laboratory (China National Accreditation Service to Conformity Assessment) is equipped with the most sophisticated instruments to test photovoltaic panels, simulating even the most adverse weather conditions

All SUNTECH modules are subject to rigorous tests to respond to precise internal protocols and the highest international quality standards in relation to corrosion resistance from salt (IEC61701), sand (DIN EN 60068-2-68) and ammonia (IEC62716).

The result is increasingly highperformance PV panels with a **25-year guarantee on linear performance and a 12-year warranty on the product**.



STANDARD STP380S - 24/VFW STP375S - 24/VFW STP370S - 24/VFW







TECHNICAL DATA

■ SOLAR CELL Monocrystalline silicon 6 inches

■ CELL NR 72 (6 x 12)

DIMENSION 1960 x 992 x 40 mm

■ WEIGHT 22.1 kg

GLASS Tempered 3.2 mm

■ FRAME Anodized aluminium alloy

JUNCTION BOX IP68



72 MONOCRYSTALLINE CELLS

STANDARD SERIES

STP380S - 24/VFW STP375S - 24/VFW STP370S - 24/VFW

MONOCRYSTALLINE MODULE IDEAL FOR COMMERCIAL INSTALLATIONS IN WHICH YOU NEED EXCELLENT **POWER IN REDUCED** SPACES.

WARRANTY

12 years on the product 25 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716 DIN EN 60068-2-68 CE Declaration of Conformity 19,5%

HIGH MODULE CONVERSION EFFICIENCY

Module efficiency from 19% to 19,5% achieved through advanced cell_technology and manufacturing capabilities.

2%

SUNTECH CURRENT **SORTING PROCESS**

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



TOLERANCE

Positive tolerance of up to 5W delivers higher output reliability.

3800 PA 5400 PA

EXTENDED WIND AND SNOW LAOD TESTS

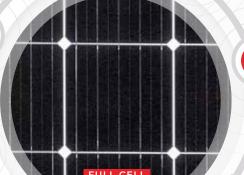
Module certified to withstand extreme wind (3800 Pa) and snow loads (5400 Pa).



M

HIGH PID RESISTANT

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



WITHSTANDING HARSH ENVIRONMENT

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













STANDARD STP320S - 20/WFW STP315S - 20/WFW STP310S - 20/WFW







TECHNICAL DATA

■ SOLAR CELL Monocrystalline silicon 6 inches

■ CELL NR 60 (6 x 10)

DIMENSION 1650 x 992 x 35 mm

■ WEIGHT 18.3 kg

GLASS Tempered 3.2 mm

■ FRAME Anodized aluminium alloy

JUNCTION BOX **IP68**



IDEAL FOR RESIDENTIAL PLANTS



IDEAL FOR COMMERCIAL PLANTS

60 MONOCRYSTALLINE CELLS

STANDARD SERIES

STP320S - 20/WFW STP315S - 20/WFW STP310S - 20/WFW

MONOCRYSTALLINE MODULE FROM THE EXCELLENT QUALITY / PRICE RATIO **IDEAL FOR STANDARD** INSTALLATIONS.

WARRANTY

12 years on the product 25 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716

DIN EN 60068-2-68 Fire Class 1 CE Declaration of Conformity

19,6%

CONVERSION EFFICIENCY

Module efficiency from 18,9% to 19,6% achieved through advanced cell technology and manufacturing capabilities.

2%

SUNTECH CURRENT **SORTING PROCESS**

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



POSITIVE TOLERANCE

Positive tolerance of up to 5W delivers higher output reliability.

3800 PA 5400 PA

EXTENDED WIND AND SNOW LAOD TESTS

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



THE STATE OF

HIGH PID RESISTANT

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





WITHSTANDING HARSH ENVIRONMENT

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





















STANDARD STP385S - 24/VFH STP380S - 24/VFH STP375S - 24/VFH







TECHNICAL DATA

■ SOLAR CELL Monocrystalline silicon 6 inches

■ CELL NR 144 (6 x 24)

DIMENSION 1988 x 992 x 40 mm

■ WEIGHT 22.3 kg

GLASS Tempered 3.2 mm

■ FRAME Anodized aluminium alloy

JUNCTION BOX **IP68**



IDEAL FOR RESIDENTIAL PLANTS



IDEAL FOR COMMERCIAL PLANTS



144 HALF-CUT MONOCRYSTALLINE CELLS

STANDARD SERIES

STP385S - 24/VFH STP380S - 24/VFH STP375S - 24/VFH

MONOCRYSTALLINE MODULE WITH 144 CELLS AVAILABLE, IDEAL FOR **PLANTS WHERE YOU NEED GREAT POWER IN** REDUCED SPACES.

EXCELLENT WEAK LIGHT PERFORMANCE

More power output in weak light condition, such as haze, cloudy and morning hours.

3800 PA

EXTENDED WIND AND SNOW LAOD

19,5% BETTER HIGH MODULE

Module efficiency from 19% to 19,5% achieved through advanced cell technology and manufacturing capabilities.

CONVERSION EFFICIENCY

TEMPERATURE PERFORMANCE

Due to the cell design we have lower inner resistance, which results in a higher power output of the module, especially in warm/hot environment.





HALF CUT

5400 PA

TESTS

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

WITHSTANDING HARSH ENVIRONMENT

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

WARRANTY

12 years on the product

25 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716 DIN EN 60068-2-68 CE Declaration of Conformity

HIGH PID RESISTANT

Advanced cell technology and qualified materials lead to high resistance to











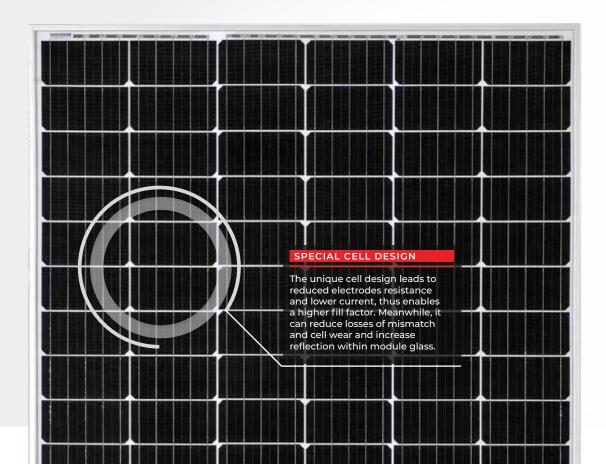






STANDARD STP320S - 20/WFH STP315S - 20/WFH STP310S - 20/WFH







TECHNICAL DATA

■ SOLAR CELL Monocrystalline silicon 6 inches

■ CELL NR 120 (6 x 20)

DIMENSION 1670 x 992 x 35 mm

■ WEIGHT 18.5 kg

GLASS Tempered 3.2 mm

■ FRAME Anodized aluminium alloy

JUNCTION BOX **IP68**



120 HALF-CUT MONOCRYSTALLINE CELLS

STANDARD SERIES STP320S - 20/WFH STP315S - 20/WFH STP310S - 20/WFH

MONOCRYSTALLINE MODULE IDEAL FOR RESIDENTIAL SYSTEMS, WHERE IT IS NECESSARY TO HAVE A MODULE WITH STANDARD DIMENSIONS **BUT WITH HALF CUT** TECHNOLOGY.

EXCELLENT WEAK LIGHT PERFORMANCE

More power output in weak light condition, such/as/ haze, cloudy and morning hours.

3800 PA 5400 PA

AND SNOW LAOD TESTS

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

19,3% BETTER TEMPERATURE PERFORMANCE HIGH MODULE

CONVERSION EFFICIENCY Due to the cell design we have lower inner Module efficiency from 18,7% resistance, which results to 19,3% achieved through in a higher power advanced cell technology and output of the module, manufacturing capabilities. especially in warm/hot environment.



EXTENDED WIND

WITHSTANDING HARSH ENVIRONMENT

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

WARRANTY

12 years on the product 25 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716 DIN EN 60068-2-68 CE Declaration of Conformity

HIGH PID RESISTANT

A.

Advanced cell technology and qualified materials lead to high resistance to

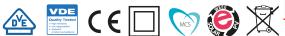














STANDARD STP310S - 20/WFK STP305S - 20/WFK STP300S - 20/WFK









MONOCRYSTALLINE **SOLAR MODULE** 60 DOUBLE GLASS CELLS **FRAMELESS**

TECHNICAL DATA

■ SOLAR CELL

Monocrystalline silicon 6 inches

■ CELL NR

60 (6 x 10)

DIMENSION

1658 x 992 x 6 mm (without J-box)

■ WEIGHT

23.5 kg

■ GLASS

front/back

Heat stregthened 2.5 mm

■ FRAMELESS

JUNCTION BOX

IP68



IDEAL FOR RESIDENTIAL PLANTS



IDEAL FOR SHELTERS OR VERANDAS

60 MONOCRYSTALLINE DOUBLE GLASS CELLS

STANDARD SERIES STP310S - 20/WFK STP305S - 20/WFK STP300S - 20/WFK

DOUBLE GLASS MONOCRYSTALLINE MODULE FRAMELESS, **IDEAL FOR DESIGN** INSTALLATIONS.

WARRANTY

12 years on the product 30 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716 DIN EN 60068-2-68 CE Declaration of Conformity

18,8%

CONVERSION EFFICIENCY

Module efficiency from 18,2% to 18,8% achieved through advanced cell technology and manufacturing capabilities.

2%

SUNTECH CURRENT **SORTING PROCESS**

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



TOLERANCE

Positive tolerance of up to 5W delivers higher output reliability.

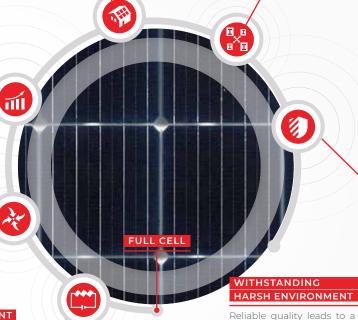
2400 PA 2400 PA

EXTENDED WIND AND SNOW LAOD TESTS

Module certified to withstand extreme wind (2400 Pa) and snow loads (2400 Pa).

HIGH PID RESISTANT

Advanced cell technology and qualified materials lead to high resistance to













better sustainability even

in harsh environment like

desert, farm and coastline.



STANDARD STP310S - 20/WFK+ STP305S - 20/WFK+ STP300S - 20/WFK+









TECHNICAL DATA

■ SOLAR CELL Monocrystalline silicon 6 inches

■ CELL NR 60 (6 x 10)

DIMENSION 1664 x 998 x 35 mm (without J-box)

WEIGHT 21.7 kg

GLASS

Heat stregthened 2.0 mm front/back **■ FRAME** Anodized aluminium alloy

JUNCTION BOX **IP68**



60 MONOCRYSTALLINE DOUBLE GLASS CELLS

STANDARD SERIES STP310S - 20/WFK+ STP305S - 20/WFK+ STP300S - 20/WFK+

DOUBLE GLASS MONOCRYSTALLINE MODULE FRAMELESS. **IDEAL FOR DESIGN** INSTALLATIONS.

WARRANTY

12 years on the product 30 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716 DIN EN 60068-2-68 CE Declaration of Conformity

18,7%

CONVERSION EFFICIENCY

Module efficiency from 18,1% to 18,7% achieved through advanced cell technology and manufacturing capabilities.

2%

SUNTECH CURRENT **SORTING PROCESS**

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

0/+5W

TOLERANCE

Positive tolerance of up to 5W delivers higher output reliability.

3800 PA 5400 PA

EXTENDED WIND AND SNOW LAOD TESTS

Module certified to snow loads (5400 Pa).

withstand extreme wind (3800 Pa) and

HIGH PID RESISTANT

Advanced cell technology and qualified materials lead to high resistance to



M



WITHSTANDING HARSH ENVIRONMENT

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







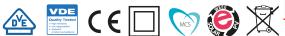












HIPERFORMA STP310S - 60/PFD+ STP305S - 60/PFD+ STP300S - 60/PFD+









MONOCRYSTALLINE SOLAR MODULE 60 BIFACIAL CELLS

TECHNICAL DATA

■ SOLAR CELL Monocrystalline silicon 6 inches

■ CELL NR 60 (6 x 10)

DIMENSION 1664 x 992 x 35 mm

■ WEIGHT 21.7 kg

GLASS Heat stregthened 2.0 mm **■ FRAME** Anodized aluminium alloy

JUNCTION BOX **IP68**



W

60 CELLS HIGH EFFICIENCY BIFACIAL PERC CELL

HIPERFORMA SERIES

STP310S - 60/PFD+ STP305S - 60/PFD+ STP300S - 60/PFD+

BIFACIAL MONOCRYSTALLINE SOLAR MODULE, TO **EXPLOIT BETTER** THE SURFACE. RECOMMENDED FOR INSTALLATIONS ON FLAT **ROOFS WITH SLIGHTLY** INCLINED STRUCTURES.

WARRANTY

12 years on the product 30 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716 DIN EN 60068-2-68 CE Declaration of Conformity

18,8%

HIGH MODULE CONVERSION EFFICIENCY

Module efficiency from 18,2% to 18,8% achieved through advanced cell technology and manufacturing capabilities.

HIGHER POWER OUTPUT The power generation can

increase up to 25%.

UP TO 25%

EXCELLENT WEAK LIGHT PERFORMANCE

More power output in weak light condition, such as haze, cloudy and morning hours.

DISTRIBUTED JUNCTION BOX

Special distributed Junction Box Design avoids shading on the back side.

HIGH PID RESISTANT

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





WITHSTANDING HARSH ENVIRONMENT

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

















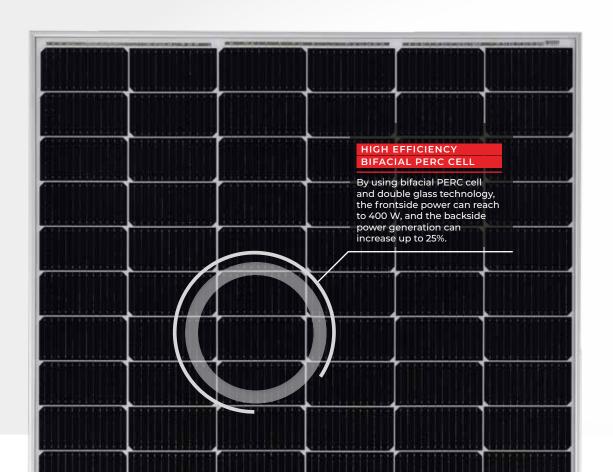


HIPERFORMA STP400S - A72/PFH+ STP395S - A72/PFH+ STP390S - A72/PFH+ THAN STANDARDS











N-TYPE PERT **SOLAR MODULE** 144 HALF CUT BIFACIAL

TECHNICAL DATA

■ SOLAR CELL Monocrystalline silicon 6 inches

■ CELL NR 144 (6 x 24)

DIMENSION 2028 x 1002 x 35 mm

■ WEIGHT 27 kg

GLASS Heat stregthened 2.0 mm **■ FRAME** Anodized aluminium alloy

JUNCTION BOX **IP68**



IDEAL FOR RESIDENTIAL PLANTS

MONO

144 HALF CUT CELLS N-TYPE PERT MONOCRYSTALLINE BIFACIAL

HIPERFORMA SERIES

STP400S - A72/PFH+ STP395S - A72/PFH+ STP390S - A72/PFH+

N-TYPE PERT FOR THOSE WHO WANT THE MAXIMUM OF POWER. ESPECIALLY SUITABLE IN MOUNTAIN AREAS, JUNCTION BOX **DISPLACED IN THE CENTRAL PART OF THE** MODULE.

20,0%

HIGH MODULE CONVERSION EFFICIENCY

Module efficiency from 19,5% to 20,0% achieved through advanced cell technology and manufacturing capabilities.

2%

SUNTECH CURRENT **SORTING PROCESS**

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



No internal stress from the symmetrical N-Bifacial cell scheme.









WARRANTY

12 years on the product 30 years on performance



No LID, more power generation.



HIGH PID RESISTANT

Advanced cell technology and qualified materials lead to high resistance to





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



CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005

IEC 61701 IEC 62716

DIN EN 60068-2-68 CE Declaration of Conformity











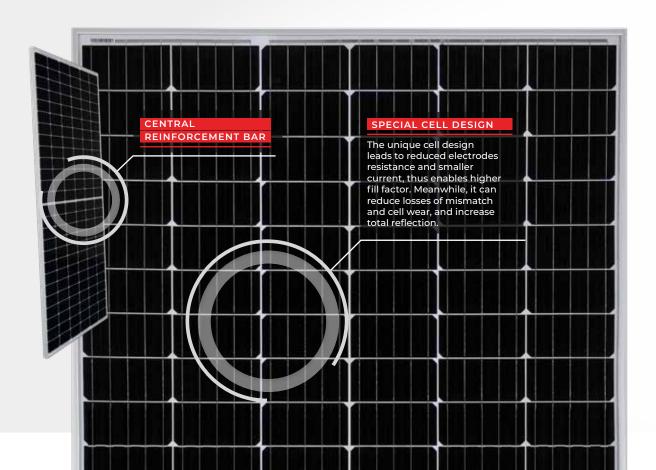




STANDARD STP410S - 78/VFH STP405S - 78/VFH STP400S - 78/VFH









TECHNICAL DATA

■ SOLAR CELL Monocrystalline silicon 6 inches

■ CELL NR 156 (6 x 26)

DIMENSION 2166 × 992 × 35 mm

■ WEIGHT 25.3 kg

GLASS Tempered 3.2 mm

■ FRAME Anodized aluminium alloy

JUNCTION BOX IP68



MONO

156 HALF-CUT MONOCRYSTALLINE CELLS

STANDARD SERIES STP410S - 78/VFH STP405S - 78/VFH STP400S - 78/VFH

HALF CUT CELLS MONOCRYSTALLINE MODULE, OF BIG **DIMENSION FOR** MAXIMUM POWER.

WARRANTY

12 years on the product 30 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716 DIN EN 60068-2-68 CE Declaration of Conformity

HIGH MODULE CONVERSION **EFFICIENCY**

Module efficiency from 18,6% to 19,1% achieved through advanced cell technology and manufacturing capabilities.

EXCELLENT WEAK LIGHT PERFORMANCE

More power output in weak light condition, such as haze, cloudy and morning

3800 PA 5400 PA

EXTENDED WIND AND SNOW LAOD TESTS

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

HIGH PID RESISTANT

A.

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

BETTER TEMPERATURE PERFORMANCE

Due to the cell design we have lower inner resistance, which results in a higher power output of the module, especially in warm/hot environment.



HIGH SYSTEM VOLTAGE COMPATIBLE

1500V Maximum DC system voltage reduces total system cost.





HALF CUT















STANDARD STP350 - 24/VFW STP345 - 24/VFW STP340 - 24/VFW







TECHNICAL DATA

■ SOLAR CELL Polycrystalline silicon 6 inches

■ CELL NR 72 (6 x 12)

DIMENSION 1960 x 992 x 40 mm

■ WEIGHT 22.1 kg

GLASS Tempered 3.2 mm

■ FRAME Anodized aluminium alloy

JUNCTION BOX IP68



72 CELLS POLYCRYSTALLINE

STANDARD SERIES

STP350 - 24/VFW STP345 - 24/VFW STP340 - 24/VFW

POLYCRYSTALLINE MODULE IDEAL FOR **COMMERCIAL ROOF INSTALLATIONS IN WHICH** YOU NEED A SIGNIFICANT **POWER IN REDUCED** SPACES.

WARRANTY

12 years on the product 25 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716 DIN EN 60068-2-68 CE Declaration of Conformity

18%

HIGH MODULE CONVERSION **EFFICIENCY**

Module efficiency from 17,5% to 18% achieved through advanced cell technology and manufacturing capabilities.

2%

SUNTECH CURRENT **SORTING PROCESS**

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

0/+5W

TOLERANCE

Positive tolerance of up to 5W delivers higher output reliability.

3800 PA 5400 PA

EXTENDED WIND AND SNOW LAOD TESTS

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

A.

M

WITHSTANDING HARSH ENVIRONMENT

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

HIGH PID RESISTANT

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

















STANDARD STP290 - 20/WFW STP285 - 20/WFW STP280 - 20/WFW







SOLAR POLYCRYSTALLINE MODULE 60 STANDARD CELLS

TECHNICAL DATA

■ SOLAR CELL Polycrystalline silicon 6 inches

■ CELL NR 60 (6 x 10)

DIMENSION 1650 × 992 × 35 mm

■ WEIGHT 18.3 kg

GLASS Tempered 3.2 mm

■ FRAME Anodized aluminium alloy

JUNCTION BOX IP68



IDEAL FOR RESIDENTIAL PLANTS



IDEAL FOR COMMERCIAL PLANTS

STANDARD SERIES

STP290 - 20/WFW STP285 - 20/WFW STP280 - 20/WFW

POLYCRYSTALLINE MODULE OF EXCELLENT **OUALITY / PRICE RATIO IDEAL FOR STANDARD** INSTALLATIONS.

WARRANTY

12 years on the product 25 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005

IEC 61215 IEC 61730 IEC 61701 IEC 62716

DIN EN 60068-2-68 Fire Class 1 CE Declaration of Conformity

17,7% HIGH MODULE CONVERSION

EFFICIENCY

Module efficiency from 17,1% to 17,7% achieved through advanced cell technology and manufacturing capabilities.

2%

SUNTECH CURRENT **SORTING PROCESS**

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



TOLERANCE

Positive tolerance of up to 5W delivers higher output reliability.

3800 PA 5400 PA

EXTENDED WIND AND SNOW LAOD TESTS

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



HIGH PID RESISTANT

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



M



WITHSTANDING HARSH ENVIRONMENT

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



















STANDARD STP360 - 24/VFH STP355 - 24/VFH STP350 - 24/VFH









SOLAR POLYCRYSTALLINE **MODULE**

144 HALF CUT CELLS

TECHNICAL DATA

■ SOLAR CELL Polycrystalline silicon 6 inches

■ CELL NR 144 (6 x 24)

DIMENSION 1988 × 992 × 40 mm

■ WEIGHT 22.3 kg

GLASS Tempered 3.2 mm

■ FRAME Anodized aluminium alloy

■ JUNCTION BOX IP68



IDEAL FOR RESIDENTIAL PLANTS

144 HALF-CUT POLYCRYSTALLINE CELLS

STANDARD SERIES

STP360 - 24/VFH STP355 - 24/VFH STP350 - 24/VFH

POLYCRYSTALLINE MODULE WITH 144 CELLS AVAILABLE, IDEAL FOR **PLANTS WHERE YOU NEED BIG POWER IN** REDUCED SPACES.

More power output in weak light condition, such as haze, cloudy and morning hours.

Module certified to snow loads (5400 Pa).

HIGH MODULE CONVERSION EFFICIENCY

18,3%

Module efficiency from 17,7% to 18,3% achieved through advanced cell technology and manufacturing capabilities.

BETTER TEMPERATURE PERFORMANCE

Due to the cell design we have lower inner resistance, which results in a higher power output of the module, especially in warm/hot environment.

EXCELLENT WEAK LIGHT PERFORMANCE

3800 PA 5400 PA

EXTENDED WIND AND SNOW LAOD TESTS

HIGH PID RESISTANT



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

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

WARRANTY

12 years on the product

25 years on performance

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716 DIN EN 60068-2-68 CE Declaration of Conformity











WITHSTANDING HARSH ENVIRONMENT

Reliable quality leads to a better sustainability even

in harsh environment like

desert, farm and coastline.









STANDARD STP300 - 20/WFH STP295 - 20/WFH STP290 - 20/WFH







TECHNICAL DATA

■ SOLAR CELL Polycrystalline silicon 6 inches

■ CELL NR 120 (6 x 20)

DIMENSION 1670 × 992 × 35 mm

■ WEIGHT 18.5 kg

■ GLASS Tempered 3.2 mm

■ FRAME Anodized aluminium alloy

■ JUNCTION BOX IP68





120 HALF-CUT POLYCRYSTALLINE CELLS

STANDARD SERIES STP300 - 20/WFH STP295 - 20/WFH

STP290 - 20/WFH

POLYCRYSTALLINE MODULE IDEAL FOR RESIDENTIAL SYSTEMS, IN WHICH IT IS NECESSARY TO HAVE A MODULE OF STANDARD DIMENSIONS **BUT WITH HALF CUT** TECHNOLOGY.

EXCELLENT WEAK LIGHT PERFORMANCE

More power output in weak light condition, such as haze, cloudy and morning hours.

3800 PA 5400 PA

EXTENDED WIND AND SNOW LAOD TESTS

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

PID.

HIGH PID RESISTANT

Advanced cell technology

and qualified materials

lead to high resistance to

Module efficiency from 17,5%

to 18,1% achieved through

advanced cell technology and

manufacturing capabilities.

18,1%

HIGH MODULE

CONVERSION

EFFICIENCY

2%

SUNTECH CURRENT **SORTING PROCESS**

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













WITHSTANDING HARSH ENVIRONMENT

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

WARRANTY

12 years on the product 25 years on performance

CERTIFICATIONS AND STANDARDS

Strict quality controls have led to obtaining certifications:

ISO 9001:2008 ISO 14001:2004 ISO 17025:2005 IEC 61215 IEC 61730 IEC 61701 IEC 62716

DIN EN 60068-2-68 Fire Class 1 CE Declaration of Conformity























SOLAR PANELS FOR RESIDENTIAL USE

SUNTECH REALIZES RESIDENTIAL PROJECTS FOR EVERY KIND OF HOUSES

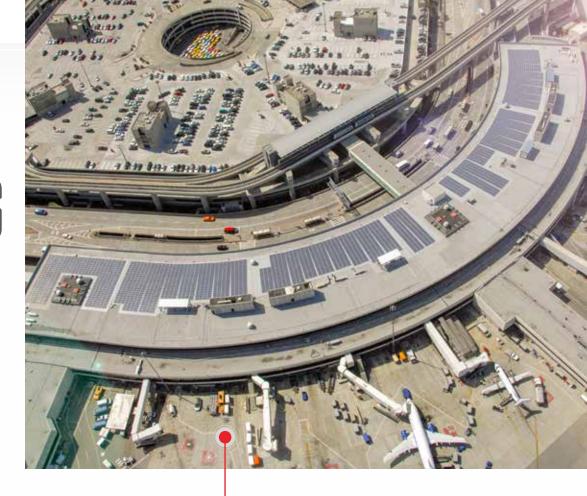
SUNTECH photovoltaic modules adapt perfectly to the installation on individual houses, apartment buildings or terraced houses. The roof installation optimizes the available space allowing to produce totally clean energy and to obtain an additional

gain by reselling the excess energy to the grid.

The initial investment can be easily amortized: also in Italy there are incentives and tax reductions that facilitate the transition to solar energy, the safest and cleanest form of energy. An intelligent

choice from a financial and environmental point of view. **SUNTECH** relies on a dense network of distributors present throughout Italy. Find out more by contacting us for a non-binding quote.

SOLAR PANELS FOR COMMER-CIAL AND IN-DUSTRIAL USE



SUNTECH REALIZES PHOTOVOLTAIC PLANTS FOR COMPANIES AND BUSINESS ACTIVITIES OF EVERY SIZE

SUNTECH photovoltaic modules are the perfect solution for all those companies and businesses that wish to abandon traditional energy sources, choosing a path to optimize costs and reduce energy consumption. It should also be emphasized that in an

industrial type installation it is possible to take advantage of large surfaces often with few shaded areas.

The modernization of industrial plants from the energy point of view, also called photovoltaic revamping, is easily

implemented for more or less large-scale activities. The initial investment can be amortized through incentives and ad hoc tax reductions.

SAN FRANCISCO. USA

INTERNATIONAL AIRPORT







MANDALUYONG, PHILIPPINES ASIAN DEVELOPMENT BANK

CALIFORNIA, USA GOOGLE CAMPUS

STEENOKKERZEEL, BELGIUM MUNICIPALITY

SHANDONG, CHINA WATER PLANT



SYDNEY, AUSTRALIA
OPERA HOUSE



SUNTECH DESIGNS AND MANUFACTURES PHOTOVOLTAIC PARKS OF LARGE SCALE FOR EVERY ENVIRONMENTAL TYPE

SUNTECH photovoltaic modules are the perfect solution for large photovoltaic power plants. The panels are connected in series through grid-connected systems, connected to an electricity distribution network.

The needs of this type of installation are obviously different: the parks are equipped with large transformers and inverters and are designed to handle huge amounts of energy. The plants are often located in

highly sunny places, such as deserts, where, however, the solar module is continuously exposed to hard atmospheric conditions

Even in the case of solar parks, state tax incentives are available to facilitate the transition to solar energy, the safest and cleanest form of energy. The use of a photovoltaic system also allows for a constant economic return and the support of banks.



EBERSWALDE, GERMANY







NELLIS, USA



POZOHONDO, SPAIN



KEYU, HENAN CHINA



KYUSHU, JAPAN

ZAVODSKAYA, RUSSIA



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