

Model (NSI 175/72-M) Specifications

ITEM NO:	NSI 175/72-M
Maximum Power(W)	175
Optimum Power Voltage(Vmp)	35,50
Optimum Operating Current(Imp)	4,93
Open Circuit Voltage(Voc)	43,30
Short Circuit Current(Isc)	5,23
Maximum System Voltage at STC (Vm)	1000VDC/600VDC (USA)
Solar Cells	125*125
Number of Cells(pcs) per module	6*12
Size of Module(mm)	1580*808*40
Type of Connector	TÜV certified MC4 compatible plug & play
Cable Type diameter and length	Ø = 4mm ² L = 1000 mm TÜV certified
Front Glass Thickness (mm)	3,20
Temperature Coefficients of Isc(%)°C	0,05
Temperature Coefficients of Voc(%)°C	-0,35
Temperature Coefficients of Pm(%)°C	-0,45
Temperature Coefficients of Im(%)°C	0,03
Temperature Coefficients of Vm(%)°C	-0,37
Temperature Range	-40°C to +85°C
Tolerance Wattage(e.g. +/-3%)	±3%
Surface Maximum Load Capacity	5400Pa
Allowable Hail Load	23m/s 7,53g
Weight Per Piece(KG)	15,50
Junction Box Type	TUV Certificated
Bypass Diode Rating(A)	12
Cell Efficiency (%)	17,30
Module Efficiency (%)	14,50
Frame(Material Corners,etc.)	40#
Backing (Brand Type)	TPT
Warranty - 7 years product guarantee, 25 year performance warranty.	90% of 10 years,80% of 25 years.
Standard Test Conditions	AM1,5
FF (%)	70-76%
Packaging	Wooden box 23 pcs per box. 644 pcs per 40ft container

Strengths

Tolerance ± 3%

2/3 Bus Bar Configuration

Plug and Play Connectors

High Transmission, Low Iron

Tempered Glass

Can bear loads up to 5400 pascals (IEC 61215 Edition 2)

Warranty

7 years product guarantee.

25 years performance

warranty of 90% for the first

10 years and 80% for the

remaining 15 years.

Independent 2-years product

guarantee and 25 years

performance warranty of

90% for the first 10 years and

80% for the remaining 15

years underwritten by Alltrust

Insurance.

Quality Guarantee

Each and every order/delivery

independently inspected

on both the production

line and prior to loading

by SOLARBROKER GmbH.

A quality certificate will be

attached to the BOL, flash

data, certificate of origin and

packing lists prior to delivery.

Certifications



Model (NSI 180/72-M) Specifications

ITEM NO:	NSI 180/72-M
Maximum Power(W)	180
Optimum Power Voltage(Vmp)	36,6
Optimum Operating Current(Imp)	4,91
Open Circuit Voltage(Voc)	45,60
Short Circuit Current(Isc)	5,31
Maximum System Voltage at STC (Vm)	1000VDC/600VDC (USA)
Solar Cells	125*125
Number of Cells(pcs) per module	6*12
Size of Module(mm)	1580*808*40
Type of Connector	TÜV certified MC4 compatible plug & play
Cable Type diameter and length	Ø = 4mm ² L = 1000 mm TÜV certified
Front Glass Thickness (mm)	3,20
Temperature Coefficients of Isc(%)°C	0,05
Temperature Coefficients of Voc(%)°C	-0,35
Temperature Coefficients of Pm(%)°C	-0,45
Temperature Coefficients of Im(%)°C	0,03
Temperature Coefficients of Vm(%)°C	-0,37
Temperature Range	-40°C to +85°C
Tolerance Wattage(e.g. +/-3%)	±3%
Surface Maximum Load Capacity	5400Pa
Allowable Hail Load	23m/s 7,53g
Weight Per Piece(KG)	15,50
Junction Box Type	TUV Certificated
Bypass Diode Rating(A)	12
Cell Efficiency (%)	17,30
Module Efficiency (%)	14,50
Frame(Material Corners,etc.)	40#
Backing (Brand Type)	TPT
Warranty - 7 years product guarantee, 25 year performance warranty.	90% of 10 years,80% of 25 years.
Standard Test Conditions	AM1,5
FF (%)	70-76%
Packaging	Wooden box 23 pcs per box. 644 pcs per 40ft container

Strengths

Tolerance ± 3%

2/3 Bus Bar Configuration

Plug and Play Connectors

High Transmission, Low Iron

Tempered Glass

Can bear loads up to 5400

pascals (IEC 61215 Edition 2)

Warranty

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25 years performance

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Certifications



Model (NSI 180/72-M) Specifications

Monocrystalline Solar Module

Using only the best quality materials to provide high quality solar modules

- High efficiency solar cells with high transmission and low iron textured glass delivering high efficiency modules;
- Bypass diode minimizes the power drop caused by shading;
- Tempered glass, EVA resin, and weatherproof film, plus aluminum frame for extended outdoor use;
- Modules independently tested to ensure conformance with certification and regulatory standards;
- Manufacturing facility certified to ISO 9001 quality management system standards;



Strengths

Tolerance $\pm 3\%$
 2/3 Bus Bar Configuration
 Plug and Play Connectors
 High Transmission, Low Iron
 Tempered Glass
 Can bear loads up to 5400
 pascals (IEC 61215 Edition 2)

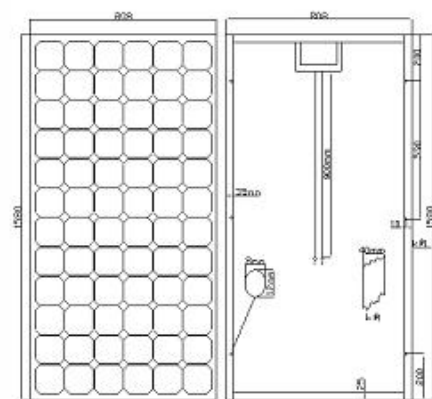
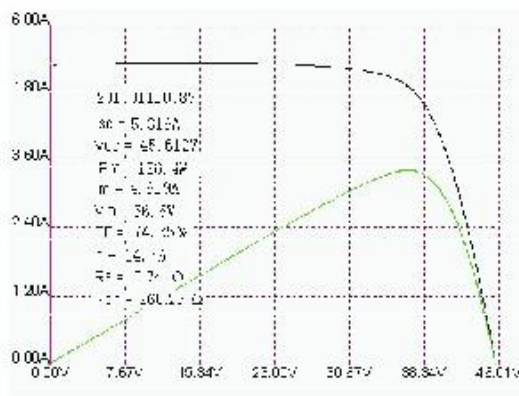
Warranty

7 years product guarantee.
 25 years performance
 warranty of 90% for the first
 10 years and 80% for the
 remaining 15 years.
 Independent 2-years product
 guarantee and 25 years
 performance warranty of
 90% for the first 10 years and
 80% for the remaining 15
 years underwritten by Alltrust
 Insurance.

Quality Guarantee

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Certifications



Model (NSI 185/72-M) Specifications

ITEM NO:	NSI 185/72-M
Maximum Power(W)	185
Optimum Power Voltage(Vmp)	36
Optimum Operating Current(Imp)	5,14
Open Circuit Voltage(Voc)	43,90
Short Circuit Current(Isc)	5,45
Maximum System Voltage at STC (Vm)	1000VDC/600VDC (USA)
Solar Cells	125*125
Number of Cells(pcs) per module	6*12
Size of Module(mm)	1580*808*40
Type of Connector	TÜV certified MC4 compatible plug & play
Cable Type diameter and length	Ø = 4mm ² L = 1000 mm TÜV certified
Front Glass Thickness (mm)	3,20
Temperature Coefficients of Isc(%)°C	0,05
Temperature Coefficients of Voc(%)°C	-0,35
Temperature Coefficients of Pm(%)°C	-0,45
Temperature Coefficients of Im(%)°C	0,03
Temperature Coefficients of Vm(%)°C	-0,37
Temperature Range	-40°C to +85°C
Tolerance Wattage(e.g. +/-3%)	±3%
Surface Maximum Load Capacity	5400Pa
Allowable Hail Load	23m/s 7,53g
Weight Per Piece(KG)	15,50
Junction Box Type	TUV Certified
Bypass Diode Rating(A)	12
Cell Efficiency (%)	17,30
Module Efficiency (%)	14,50
Frame(Material Corners,etc.)	40#
Backing (Brand Type)	TPT
Warranty - 7 years product guarantee, 25 year performance warranty.	90% of 10 years,80% of 25 years.
Standard Test Conditions	AM1,5
FF (%)	70-76%
Packaging	Wooden box 23 pcs per box. 644 pcs per 40ft container

Strengths

Tolerance ± 3%

2/3 Bus Bar Configuration

Plug and Play Connectors

High Transmission, Low Iron

Tempered Glass

Can bear loads up to 5400

pascals (IEC 61215 Edition 2)

Warranty

7 years product guarantee.

25 years performance

warranty of 90% for the first

10 years and 80% for the

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Independent 2-years product

guarantee and 25 years

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Quality Guarantee

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Certifications

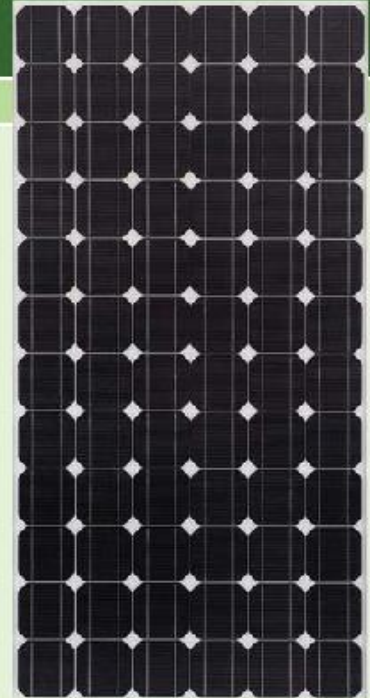


Model (NSI 185/72-M) Specifications

Monocrystalline Solar Module

Using only the best quality materials to provide high quality solar modules

- High efficiency solar cells with high transmission and low iron textured glass delivering high efficiency modules;
- Bypass diode minimizes the power drop caused by shading;
- Tempered glass, EVA resin, and weatherproof film, plus aluminum frame for extended outdoor use;
- Modules independently tested to ensure conformance with certification and regulatory standards;
- Manufacturing facility certified to ISO 9001 quality management system standards;



Strengths

Tolerance $\pm 3\%$
 2/3 Bus Bar Configuration
 Plug and Play Connectors
 High Transmission, Low Iron
 Tempered Glass
 Can bear loads up to 5400
 pascals (IEC 61215 Edition 2)

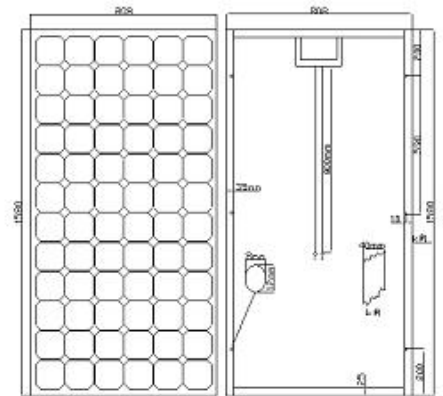
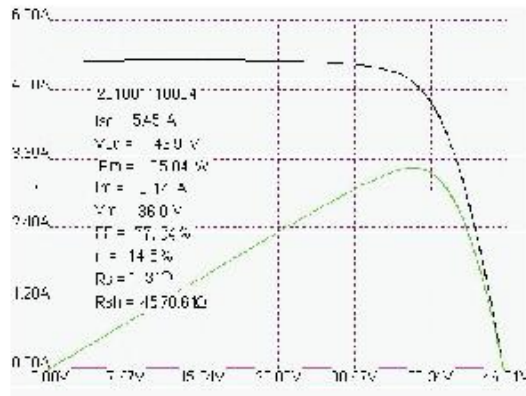
Warranty

7 years product guarantee.
 25 years performance
 warranty of 90% for the first
 10 years and 80% for the
 remaining 15 years.
 Independent 2-years product
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 performance warranty of
 90% for the first 10 years and
 80% for the remaining 15
 years underwritten by Alltrust
 Insurance.

Quality Guarantee

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Certifications



Model (NSI 190/72-M) Specifications

ITEM NO:	NSI 190/72-M
Maximum Power(W)	190
Optimum Power Voltage(Vmp)	36,50
Optimum Operating Current(Imp)	5,21
Open Circuit Voltage(Voc)	44,50
Short Circuit Current(Isc)	5,52
Maximum System Voltage at STC (Vm)	1000VDC/600VDC (USA)
Solar Cells	125*125
Number of Cells(pcs) per module	6*12
Size of Module(mm)	1580*808*40
Type of Connector	TÜV certified MC4 compatible plug & play
Cable Type diameter and length	Ø = 4mm ² L = 1000 mm TÜV certified
Front Glass Thickness (mm)	3,20
Temperature Coefficients of Isc(%)°C	0,05
Temperature Coefficients of Voc(%)°C	-0,35
Temperature Coefficients of Pm(%)°C	-0,45
Temperature Coefficients of Im(%)°C	0,03
Temperature Coefficients of Vm(%)°C	-0,37
Temperature Range	-40°C to +85°C
Tolerance Wattage(e.g. +/-3%)	±3%
Surface Maximum Load Capacity	5400Pa
Allowable Hail Load	23m/s 7,53g
Weight Per Piece(KG)	15,50
Junction Box Type	TUV Certificated
Bypass Diode Rating(A)	12
Cell Efficiency (%)	17,30
Module Efficiency (%)	14,50
Frame(Material Corners,etc.)	40#
Backing (Brand Type)	TPT
Warranty - 7 years product guarantee, 25 year performance warranty.	90% of 10 years,80% of 25 years.
Standard Test Conditions	AM1,5
FF (%)	70-76%
Packaging	Wooden box 23 pcs per box. 644 pcs per 40ft container

Strengths

Tolerance ± 3%

2/3 Bus Bar Configuration

Plug and Play Connectors

High Transmission, Low Iron

Tempered Glass

Can bear loads up to 5400 pascals (IEC 61215 Edition 2)

Warranty

7 years product guarantee.

25 years performance

warranty of 90% for the first 10 years and 80% for the remaining 15 years.

Independent 2-years product guarantee and 25 years

performance warranty of 90% for the first 10 years and 80% for the remaining 15

years underwritten by Alltrust Insurance.

Quality Guarantee

Each and every order/delivery independently inspected

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Certifications



Model (NSI 190/72-M) Specifications

Monocrystalline Solar Module

Using only the best quality materials to provide high quality solar modules

- High efficiency solar cells with high transmission and low iron textured glass delivering high efficiency modules;
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Strengths

Tolerance $\pm 3\%$
 2/3 Bus Bar Configuration
 Plug and Play Connectors
 High Transmission, Low Iron
 Tempered Glass
 Can bear loads up to 5400 pascals (IEC 61215 Edition 2)

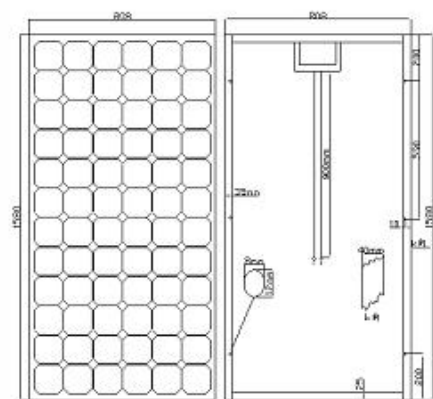
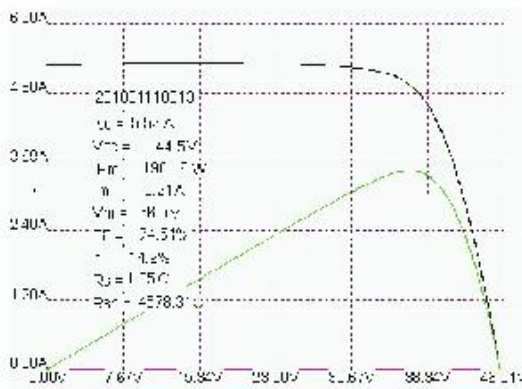
Warranty

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 25 years performance warranty of 90% for the first 10 years and 80% for the remaining 15 years.
 Independent 2-years product guarantee and 25 years performance warranty of 90% for the first 10 years and 80% for the remaining 15 years underwritten by Alltrust Insurance.

Quality Guarantee

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Certifications



Model (NSI 195/72-M) Specifications

ITEM NO:	NSI 195/72-M
Maximum Power(W)	195
Optimum Power Voltage(Vmp)	37
Optimum Operating Current(Imp)	5,30
Open Circuit Voltage(Voc)	44,50
Short Circuit Current(Isc)	5,77
Maximum System Voltage at STC (Vm)	1000VDC/600VDC (USA)
Solar Cells	125*125
Number of Cells(pcs) per module	6*12
Size of Module(mm)	1580*808*40
Type of Connector	TÜV certified MC4 compatible plug & play
Cable Type diameter and length	Ø = 4mm ² L = 1000 mm TÜV certified
Front Glass Thickness (mm)	3,20
Temperature Coefficients of Isc(%)°C	0,03
Temperature Coefficients of Voc(%)°C	-0,37
Temperature Coefficients of Pm(%)°C	-0,52
Temperature Coefficients of Im(%)°C	0,03
Temperature Coefficients of Vm(%)°C	-0,37
Temperature Range	-40°C to +85°C
Tolerance Wattage(e.g. +/-3%)	±3%
Surface Maximum Load Capacity	5400Pa
Allowable Hail Load	23m/s 7,53g
Weight Per Piece(KG)	16
Junction Box Type	TUV Certificated
Bypass Diode Rating(A)	10
Cell Efficiency (%)	17,50
Module Efficiency (%)	15,50
Frame(Material Corners,etc.)	40#
Backing (Brand Type)	TPT
Warranty - 7 years product guarantee, 25 year performance warranty.	90% of 10 years,80% of 25 years.
Standard Test Conditions	AM1,5
FF (%)	70-76%
Packaging	Wooden box 23 pcs per box. 644 pcs per 40ft container

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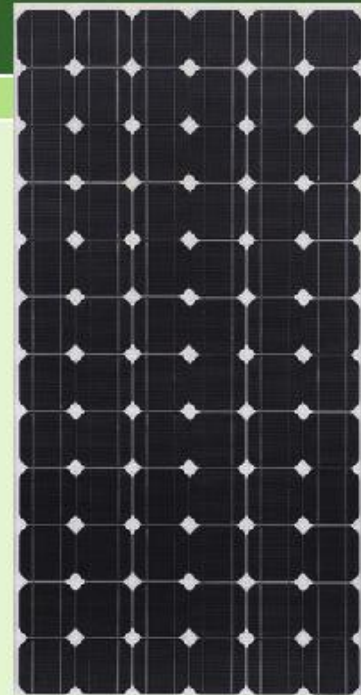


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Strengths

Tolerance $\pm 3\%$
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