

Model (NSI 170/72-M) Specifications

ITEM NO:	NSI 170/72-M
Maximum Power(W)	170
Optimum Power Voltage(Vmp)	35,50
Optimum Operating Current(Imp)	4,79
Open Circuit Voltage(Voc)	43,30
Short Circuit Current(Isc)	5,08
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 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

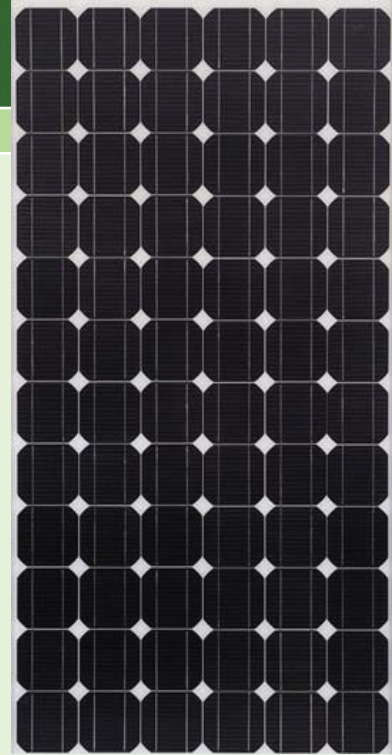


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Monocrystalline Solar Module

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

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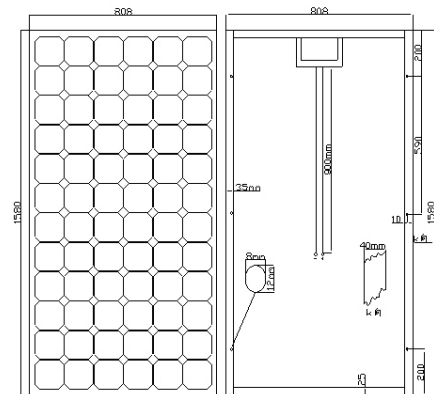
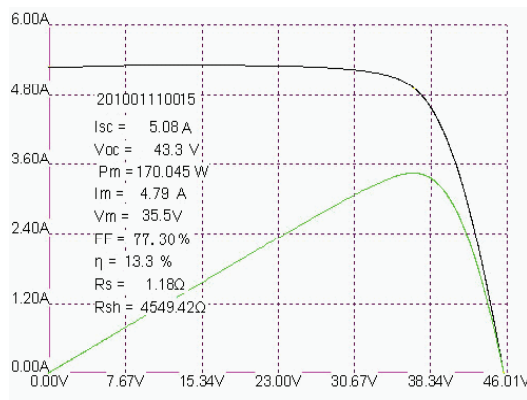
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