HIGH PERFORMANCE.
MONO CRYSTALLINE GLASS/GLASS MODULE.

SOLAR TECHNOLOGY

NST72-6-360-380Wp-PERC-GG-10.

COMMITMENT TO QUALITY, PRODUCTIVITY & SUSTAINABILITY

NST ADVANTAGE.

- PERC (Passivated Emitter Rear Cell) solar cell technology Up to 20.5% efficiency
- Positive tolerance 0/+3%
- Excellent PID resistance
- Robust Glass-Glass design
- 1000VDC system voltage


PERC Technology

PERC SOLAR CELL

PERC panels have a higher energy density per square foot and perform well under high temperatures.


Less maintenance

LESS MAINTENANCE REQUIRED

Reduced soiling and snow coverage requires less maintenance and enhances fire safety.


Low Light

LOW-LIGHT PERFORMANCE

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.


2400 Pa | 5400 Pa

SEVERE WEATHER RESILIENCE

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).


Resistant

DURABILITY AGAINST EXTREME ENVIRONMENTAL CONDITIONS

High salt mist and ammonia resistance certified by TUV NORD.


30 Years

30-YEARS LINEAR PERFORMANCE WARRANTY

15-years limited warranty for materials and workmanship and NST guarantee that each module shall deliver the following minimum output as shown in the datasheet for each module: **0.5% annual degradation over 30 years.**

About NOOR Solar Technology (NST)

NST is a leading provider and manufacturer of smart energy solutions with high performance and top quality standards. NST products are ideal for utility-scale PV power plants, as well as residential and commercial rooftop installations. NST and its trusted technology partners provide innovative renewable energy solutions meeting the highest standards in terms of reliability, safety and durability – guaranteed by one of the world-leading re-insurance groups. With NST's premium products, investors and owners enjoy long-term returns on investment and savings on their electricity bill.

PREMIUM PRODUCTS – PREMIUM RESULTS!

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NST – Version 2/2019

PRODUCT DATASHEET.

MONOCRYSTALLINE GLASS / GLASS MODULE.

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NST72-6-360-380Wp-PERC-GG-10.

ENGINEERING DRAWINGS & TECHNICAL PARAMETERS

PHYSICAL PARAMETERS

Solar cell	Monocrystalline 156.75 X 156.75 mm
Cell configuration	72 cell (12 x 6)
Module dimension	1968 x 992 x 5.5 mm
Weight	23.5 kg
Front glass	2 mm, high transmission, low iron, tempered ARC glass
Back glass	2 mm, tempered glass
Interlayer	0.5 POE (white)
J-Box	IP67, 1000VDC, 3 bypass diodes (customer demand Edge or backside)
Cables	4.0 mm (12AWG), 1100 mm length (customer demand)
Connector	IP67 MC4 or its compatible

ELECTRICAL PARAMETERS (STC)

TYPE	NST72-6-360MGG	NST72-6-365MGG	NST72-6-370MGG	NST72-6-375MGG	NST72-6-380MGG
Rated maximum power at STC (Wp)	360	365	370	375	380
Open circuit voltage Voc (V)	48.0	48.2	48.5	48.7	48.9
Maximum power voltage Vmpp (V)	39.5	39.7	39.9	40.2	40.5
Short circuit current Isc (A)	9.51	9.57	9.61	9.68	9.75
Maximum power current Impp (A)	9.12	9.20	9.28	9.33	9.39
Module efficiency (%)	18.44	18.69	18.95	19.21	19.46

STC: Irradiance 1000W/m^2, cell temperature 25°C, air mass 1.5

ELECTRICAL PARAMETERS (NOCT)

TYPE	NST72-6-360MGG	NST72-6-365MGG	NST72-6-370MGG	NST72-6-375MGG	NST72-6-380MGG
Max power (Pmax) [W]	270	274	278	282	286
Open circuit voltage (Voc) [V]	46.5	46.8	47.0	47.2	47.5
Max power voltage (Vmp) [V]	37.7	37.9	38.1	38.3	38.6
Short circuit current (Isc) [A]	7.61	7.68	7.75	7.82	7.88
Max power current (Imp) [A]	7.17	7.24	7.30	7.36	7.42

NOCT: Under normal operating cell temperature, irradiance of 800 W/m^2, spectrum AM 1.5, ambient temperature 20°C, wind speed 1m/s

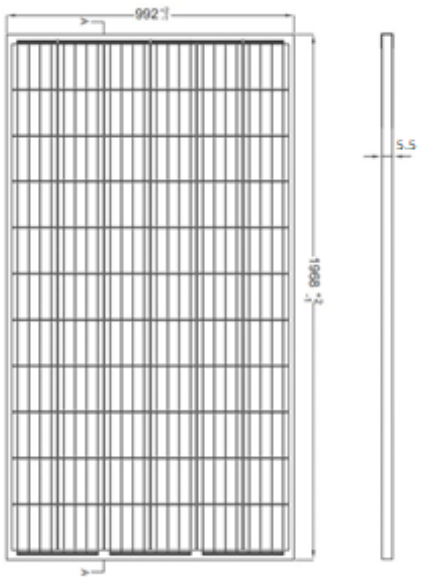
TEMPERATURE COEFFICIENT AND PARAMETERS

Nominal operating cell temperature (NOCT)	45°C ± 2°C
Temperature coefficient of Pmax	-0.385%/°C
Temperature coefficient of Voc	-0.32%/°C
Temperature coefficient of Isc	0.055%/°C
Operating temperature	-45°C~+85°C
Maximum system voltage	1000VDC
Limiting reverse current	15A
Maximum series fuse rating	15A
Power tolerance (W)	0/+3%
Application class	Class A
Wind and snow front load	Up to 5,400 Pa
Wind back load	2,400 Pa

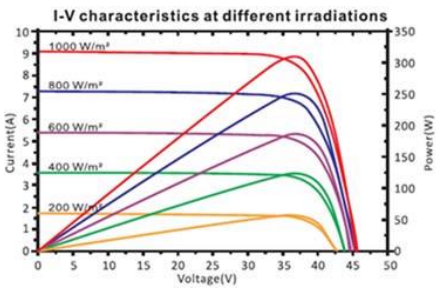
PACKAGING CONFIGURATION

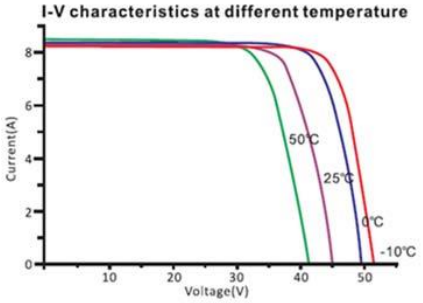
	40ft	20ft
Number of modules per container	720	300
Number of modules per pallet	30	30
Number of pallets per container	24	10
Packing box dimension (L x W x H) in mm	1956 x 1100 x 1250	1956 x 1100 x 1250
Box gross weight (Kg)	680	680

DIMENSION OF PV MODULE UNIT



I-V CURVE





AUTHORIZED PARTNER OF NST

Caution: Read safety and installation instruction before using the product.