



Best Choice for
Utility



NUSA SOLAR
INDONESIAN GREEN ENERGY

N-Type

Bifacial Module with Double Glass

Type: NSxxxM10T-B72SW

Power Range: 575 - 590 W

Max. Efficiency : 22.8 %



Bifacial Module Application

Up to 25 % higher electricity yields due to active cell technology in bifacial glass/glass modules on both sides.



Excellent Low Light Performance

Our modules can also provide higher power output under low light conditions, such as sunset, cloudy, or dawn.



Better Performance

Our modules perform better on sunny and hot days thanks to its optimized temperature coefficient.



High-quality service

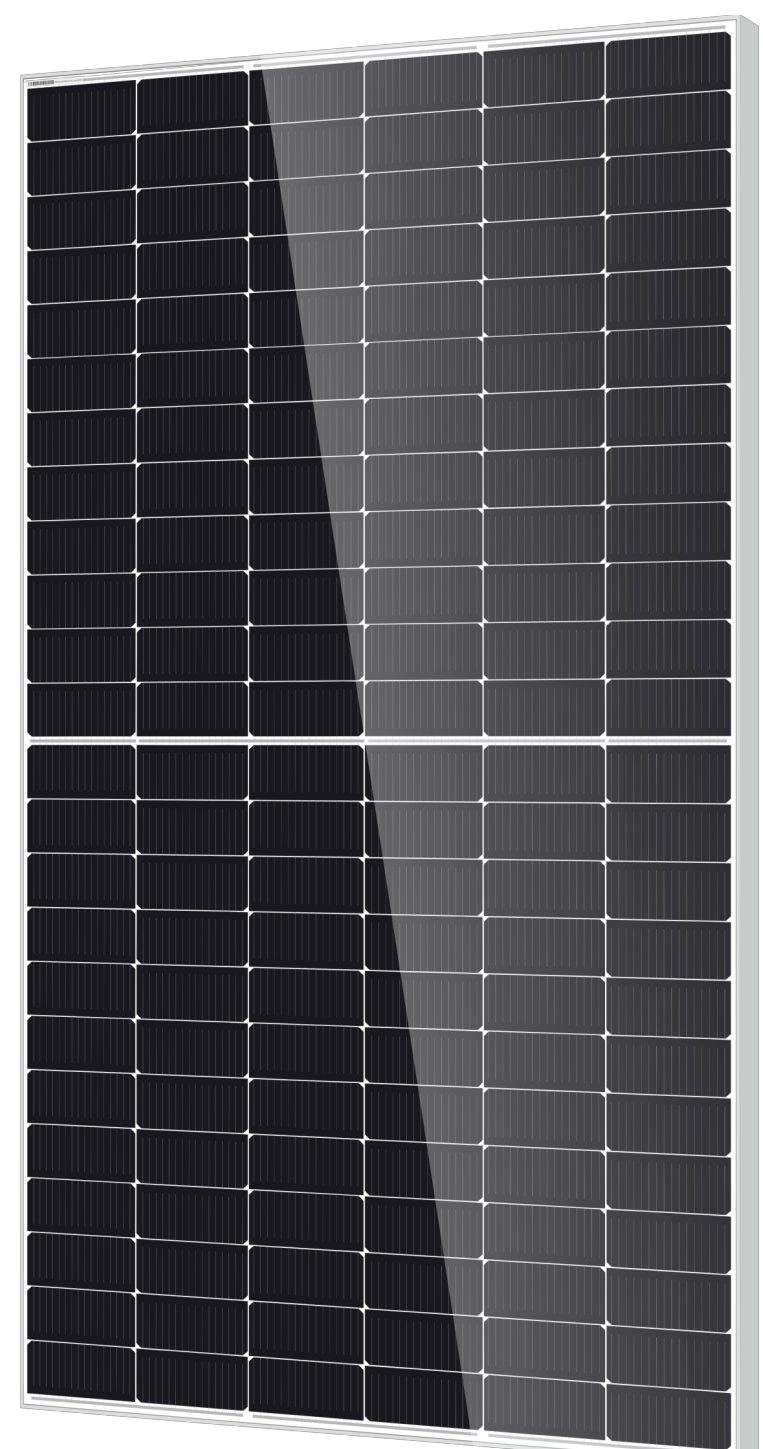
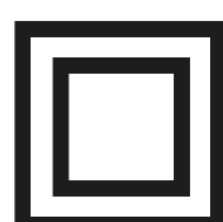
We provide a customer-oriented and localized services, covering pre-sale, sale and after-sales.

Certifications

ISO 9001 Quality management system

ISO 14001 Environmental management system

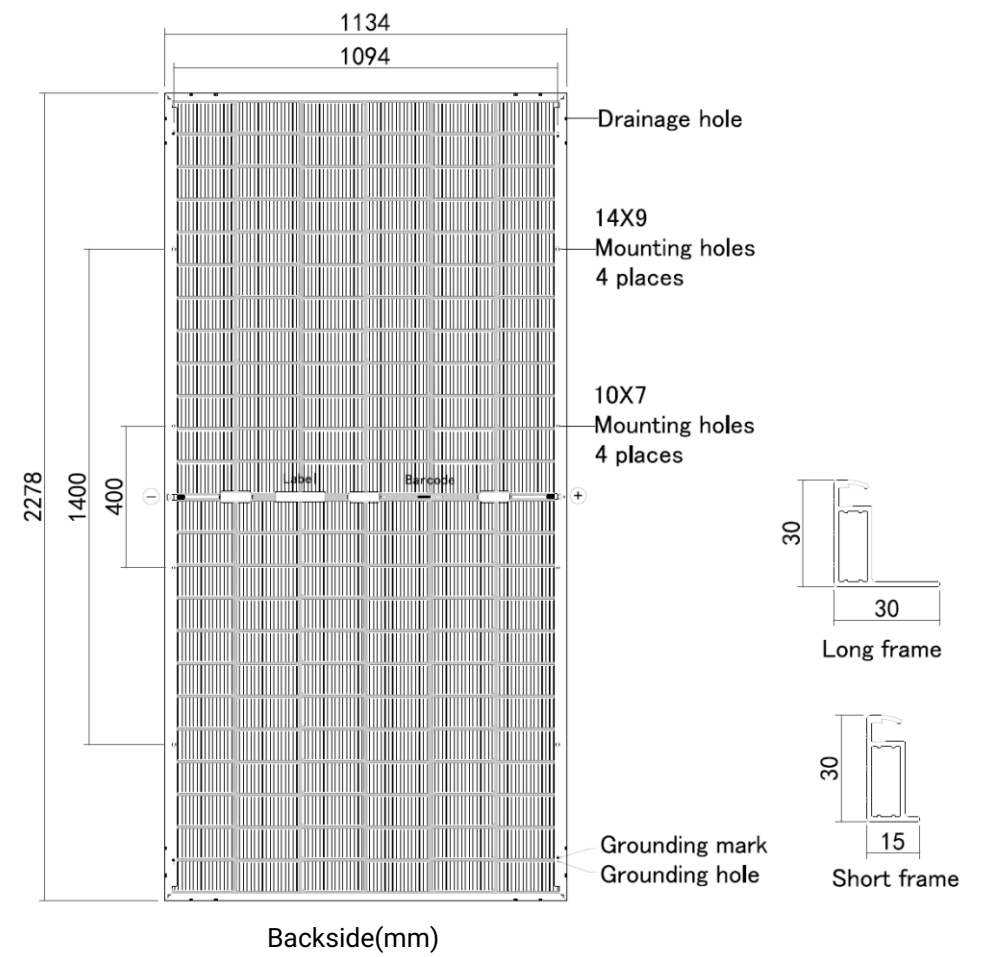
ISO 45001 Occupational health and safety management system



NSxxxM10T-B72SW

Module Specification

Cell Type	N -type Mono-crystalline , 144 (6x24)
Dimensions (mm)	2278 x 1134 x 30
Weight (kg)	32
Front Cover	2 mm heat strengthened glass with anti-reflective coating
Rear Cover	2 mm heat strengthened glass
Junction Box	3 Diodes, IP68 according to IEC 62790
Cables	4mm ² /Portrait: 350mm (+)/250mm(-) Landscape: 1300mm(+)/1300mm(-) Length can be customized
Connector Type	PV-ZH202B or MC4-EVO 2A (1500V)



Electrical Specifications¹

Module Type	NS575M10T-B72SW		NS580M10T-B72SW		NS585M10T-B72SW		NS590M10T-B72SW	
	STC ²	NMOT ³	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	575	432	580	436	585	440	590	444
Maximum Power Current (Imp/A)	13.18	10.57	13.24	10.61	13.30	10.69	13.36	10.74
Maximum Power Voltage (Vmp/V)	43.66	40.85	43.85	41.11	44.04	41.19	44.23	41.36
Short-circuit Current (Isc/A)	13.93	11.29	13.99	11.29	14.05	11.38	14.11	11.43
Open-circuit Voltage (Voc/V)	52.30	49.24	52.50	49.87	52.70	49.62	52.90	49.81
Module Efficiency STC (%)	22.3		22.5		22.6		22.8	

¹ Measurements according to IEC 60904-3, Measurement tolerance: ISC: ±4%, VOC: ± 3%, Bifaciality: 80% ± 5%

² STC (Standard Test Condition): Radiation 1000 W/m², Module temperature 25 °C, AM = 1.5

³ NMOT: Radiation 800 W/m², Ambient temperature 20 °C, AM = 1.5, Wind Speed 1 m/s

BIFACIAL OUTPUT - REAR SIDE POWER GAIN

Gain %	Parameter	NS575M10T-B72SW	NS580M10T-B72SW	NS585M10T-B72SW	NS590M10T-B72SW
10 %	Pmax (STC)	633	638	644	649
20 %	Pmax (STC)	690	696	702	708
30 %	Pmax (STC)	748	754	761	767

Certifications and Warranty

Certifications	IEC 61215, IEC 61730
	Ammonia Corrosion Test: IEC 62716
	Salt Mist Corrosion Test: IEC 61701
	PID (IEC TS 62804); LeTID (IEC TS 63342)
	Dust & Sand (IEC 60068)
WEEE Registration No.	DE 50188598
Product Warranty	15 years
Peak Power Warranty	30 years linear warranty

1.) First year: min. 99 %. 2.) From the 2nd year: Max. 0.4 % degradation annually. 3.) Min. 87.4 % in the 30th year.

Operating conditions

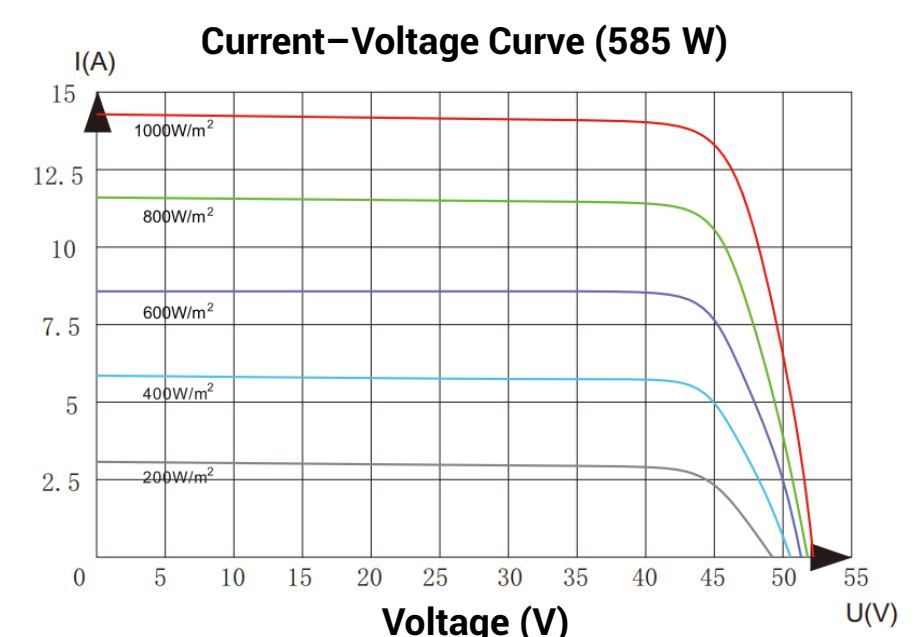
Operating Temperature (°C)	-40 to +85
Maximum System Voltage(V)	1500 DC (IEC)
Overcurrent protection rating (A)	30
Power Performance Tolerance (%)	0 / +3
Protection class	II
Max. Test Load, Push/Pull (Pa)	Snow 5400 / Wind 2400
Max. Design Load, Push/Pull (Pa)	3600 / 1600

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax (%/ °C)	-0.29
Temperature Coefficient of Voc (%/ °C)	-0.25
Temperature Coefficient of Isc (%/ °C)	+0.048

Packaging

Container	40' HQ
Pallet Dimensions(mm)	2320 × 1140 × 1250
Pieces per Pallet	36
Pieces per Container	720



Statement: The installation instructions and the warranty conditions must be followed. Due to technological progress, product parameters will be adjusted accordingly. When signing the contract, the latest data of the company shall prevail.



PT. NUSA SOLAR INDONESIA.
kawasan Industri Terpadu Kabil, Jalan Mas Surya Negara VIII No. 10, Desa/Kelurahan Batu Besar, Kec. Nongsa, Kota Batam, Provinsi Kepulauan Riau, Indonesia 29467
Tel: +62-778-8711052 E-mail: solar@nusa-solar.com Website: www.nusa-solar.com

All information in this data sheet corresponds to EN 50380. Changes and errors excepted.

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