

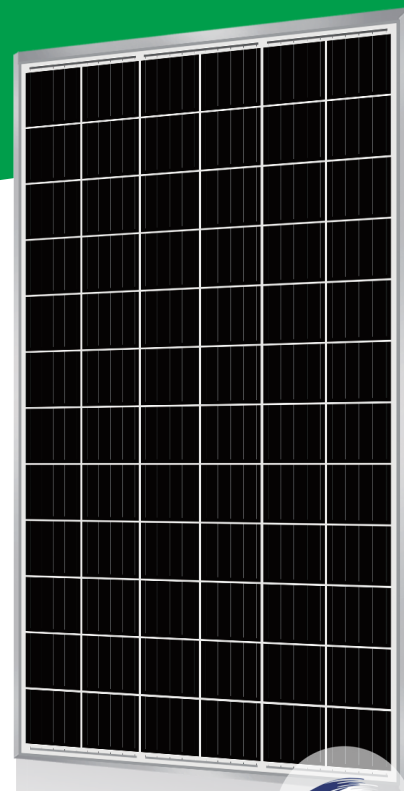
TN MONO

380-400W

158.75 mm Cell - 72 Cells



TN Solar Co., Ltd



KEY FEATURES



PERC Cells Technology



Lower LCOE and BOS



Less Hot Spot Shading effects



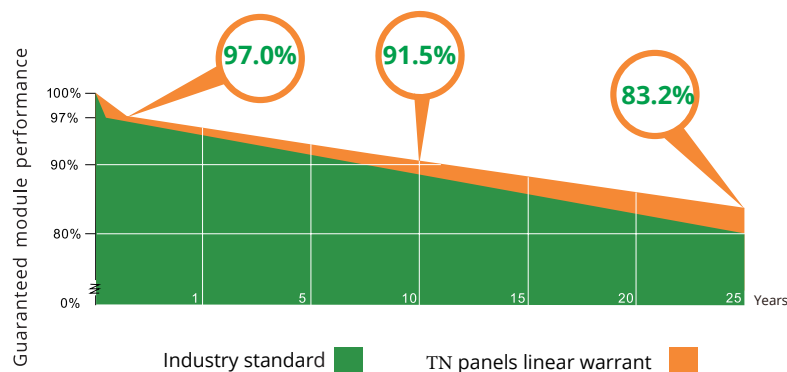
Anti PID/ Low LID protection



Lower temperature coefficient

LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty • 25-Year Linear Power Warranty



72 Cells(5BB)

Monocrystalline Module



20.16%

Maximum Efficiency



0~+5W

Positive Power Tolerance



GRADE A

Cells Guaranteed

COMPREHENSIVE CERTIFICATES

IEC 61215/ IEC 61730 / IEC 61701 / IEC 62716

ISO 9001 : Quality Management Systems



ELECTRICAL DATA AT STC*

Power output (Pmax)	380 W	385 W	390 W	395 W	400 W
Power tolerance	0~+5 W	0~+5 W	0~+5 W	0~+5 W	0~+5 W
Module efficiency	19.15 %	19.41 %	19.66 %	19.91 %	20.16%
Maximum power voltage (Vmp)	39.50 V	39.65 V	39.76 V	39.86 V	39.92 V
Maximum power current (Imp)	9.62 A	9.71 A	9.81 A	9.91 A	10.02 A
Open circuit voltage (Voc)	48.20 V	48.25 V	48.37 V	48.48 V	48.6 V
Short circuit current (Isc)	9.99 A	10.08 A	10.18 A	10.28 A	10.4 A

*Standard Test Conditions (STC) : Irradiance : 1,000 W / m² • Cell temperature : 25°C • AM: 1.5

ELECTRICAL DATA AT NOCT**

Power output (Pmax)	283.34 W	287.07 W	290.79 W	294.52 W	298.25 W
Maximum power voltage (Vmp)	37.03 V	37.17 V	37.27 V	37.37 V	37.42 V
Maximum power current (Imp)	7.64 A	7.71 A	7.79 A	7.87 A	7.96 A
Open circuit voltage (Voc)	44.70 V	44.74 V	44.86 V	44.96 V	45.07 V
Short circuit current (Isc)	8.12 A	8.19 A	8.28 A	8.36 A	8.45 A

**Nominal Operating Cell Temperature (NOCT) : Irradiance: 800 W / m² • Environment temperature : 20°C • AM : 1.5 • Wind speed : 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (158.75x158.75 mm)
Number of cells	72
Dimensions	1,980x1,002x35mm
Weight	22.9 kg
Glass	3.2 mm Tempered Glass, High Transmission (>94%), Anti-Reflective Coating
Frame	Anodized aluminium alloy
Junction box	IP68 rated (3 by pass diodes)
Cable	4mm², 900mm (+) 900mm (-) ; Length can be customized
Connector	MC4 or MC4 compatible
Max front load (e.g.: snow)	5,400 Pa
Max back load (e.g.: wind)	2,400 Pa

TEMPERATURE CHARACTERISTICS

NOCT	45 °C ±2 °C
Temperature coefficient of Pmax	-0.396%/°C
Temperature coefficient of Voc	-0.31%/°C
Temperature coefficient of Isc	+0.06%/°C

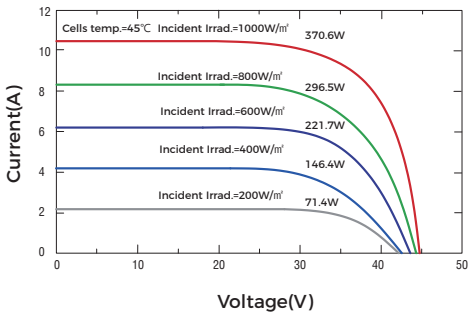
PACKAGING (1,980x1,002x40mm)

Type	Quantity	Weight
Per pallet	27 pcs	663 kg
40ft HQ Container	696 pcs	17.1 t

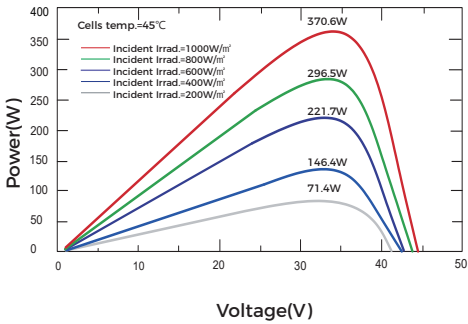
Operating temperature range	-45 °C ~+85 °C
Maximum system voltage	1,500V/DC(IEC) 1,500V/DC(UL)
Max series fuse rating	25 A

MAXIMUM RATINGS

PV MODULE : TN-400M-72



PV MODULE : TN-400M-72



Dimension of PV Module (mm)

