



# Trunsun Solar

## TSP 315 / 320 / 325 - 72

High quality and reliability in all Trunsun Solar modules is ensured by 9 years' in module manufacturing. Parent company - the beyondsun holding has a complete photovoltaic industry chain including solar wafers, solar cells, solar modules and PV system.

### WARRANTY

We guarantee our products above 90% power output in 12 years and above 80% in 25 years, working life over 25 years.



### CERTIFICATES

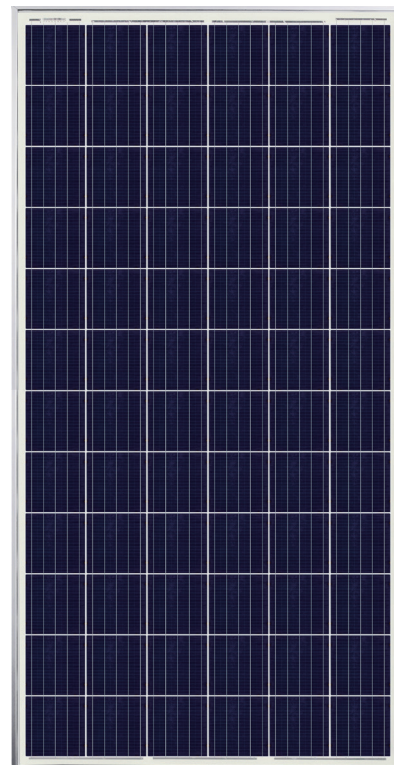
#### SYSTEM

ISO 14001:2004  
OHSAS 18001:2007



#### PRODUCT

IEC 61215 / IEC 61730: JET / TUV InterCert / TUV / MCS / CQC  
UL 1703: ETL



### KEY FEATURES

- Excellent module efficiency up to 16.77%
- Excellent performance in low-light irradiance environment
- IP67 junction box for long-term weather endurance
- Heavy snow load up to 5400 Pa  
wind load up to 2400 Pa
- Salt mist and ammonia resistance, for seaside and farm environments

ZHEJIANG TRUNSUN SOLAR CO., LTD.



#### ADDRESS

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#### CONTACT

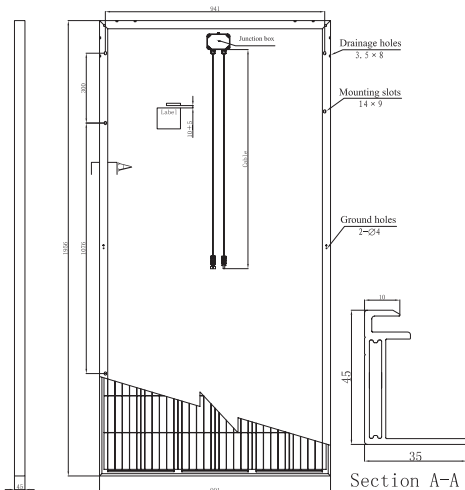
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#### WEBSITE

[www.trunsunsolar.com](http://www.trunsunsolar.com)

## ENGINEERING DRAWING (mm)

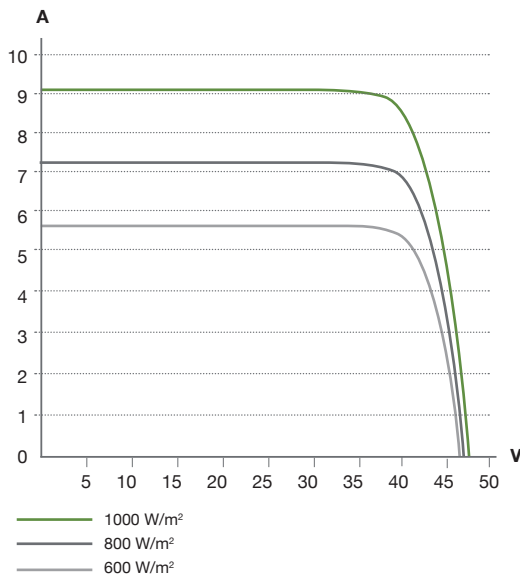


## ELECTRICAL DATA / STC\*

	315	320	325
Nominal Max. Power (Pmax)	315 W	320 W	325 W
Opt. Operating Voltage (Vmp)	37.91 V	38.19 V	38.37 V
Opt. Operating Current (Imp)	8.31 A	8.38 A	8.47 A
Open Circuit Voltage (Voc)	46.58 V	46.72 V	46.81 V
Short Circuit Current (Isc)	8.81 A	8.89 A	8.99 A
Module Efficiency	16.25%	16.51%	16.77%
Operating Temperature	-40°C ~ +85°C		
Max. System Voltage	1000 V (IEC)		
Module Fire Performance	CLASS C (IEC 61730)		
Max. Series Fuse Rating	15 A		
Application Classification	Class A		
Power Tolerance	0 ~ + 3% W		

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

## TSP-72 315 I-V Curve



## MODULE | MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline 5BB, 6 inch
Cell Arrangement	72 (6×12)
Dimensions	1956 × 991 × 45 mm (77.0 × 39.1 × 1.6 in)
Weight	22.5 kg
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	PV-GF20 IP67, 3 diodes
Cable	PV1-F 4mm <sup>2</sup>
Connectors	05-6
Standard	24 pieces, 595 kg
Packaging	(quantity & weight per pallet)
Module Pieces	
per Container	528 pieces (40' HQ)

\* The application of this short length cable can only be used in portrait installation (clamping mounting method) systems in which the distance between modules should be less than or equal to 50 mm. In the event the distance between the PV modules to be installed is more than 50 mm, please make sure to consult our technical team for evaluation and advice.

## PARTNER SECTION



## TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-(0.501±0.01) / °C
Temperature Coefficient (Voc)	-(0.332±0.05) % / °C
Temperature Coefficient (Isc)	(0.056±0.01) / °C
Nominal Operating Cell Temperature	46±2°C

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, Trunsun solar reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.