

For a Free Quote:

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

Email: **contact@energypal.com**



**Solar Panel Guide
Specification Data Sheet**

**Jyotitech Solar Llp
JTS 320PP-72
JTS-300**

Also available on the web at
EnergyPal.com/jyotitech-solar-llp-solar-panels/jts-300

JTS320PP-72

295-320 Watt

Poly Crystalline Module

100% EL Inspection ensures Modules are defect free

Positive Power Tolerance- 0/+5W



Jyotitech
Solar

Energising Future™



Multicrystalline Modules Designed for Commercial and Solar Farm (grid-tied and off-grid), Industrial / Residential Rooftop Applications



Polycrystalline 72-cell Module achieves Power Output up to 320Wp with 16.50% Conversion Efficiency



High Transmittance and Low Iron Tempered Glass with Anti-reflective Coating



Outstanding Performance in Low-light Irradiance Environment



Excellent Mechanical Load Resistance withstand High Wind Loads (2400Pa) and Snow Load (5400Pa)



High Salt Mist Corrosion Resistance



PID Resistant Modules with Long-term Reliability

We believe in a sustainable future, and we believe in creating it ourselves. Being a multi-product organisation and one of India's leading engineering companies, Jyotitech Group has dedicated itself to leaving behind a green legacy. Working for greater good, our eco-conscious values have driven us into delivering world-class solar energy products. Manufactured using state-of-the-art technology from Ecoprogetti, Italy, each Jyotitech Solar product is created with the single minded objective of reducing carbon footprints and global warming.

Headquartered in Navi Mumbai, India, the group has diverse ventures in manufacturing of enclosures, racks, LT / MV / HT electrical panels and bus bars besides solar products. We are committed to delighting our customers with best quality products and help them maximise their cost efficiency with clean energy. So come, join us and play a part in energising the future.

**25 Yrs
Output
Warranty**

- 10 Years Limited product Warranty#
- 25 years Limited Power Output Warranty#
 - Minimum 90% at the end of 10 years
 - Minimum 80% at the end of 25 years



Certificates

Factory:

ISO 9001:2008
ISO 14001:2004
BS OHSAS 18001:2007

Products:

IEC 61215, IEC 61730,
IEC 61701, IEC 62804
CE

Electrical Characteristics*

Model	JTS-295	JTS-300	JTS-305	JTS-310	JTS-315	JTS-320
	STC	STC	STC	STC	STC	STC
Nominal Maximum Power, P_m (W)*	295Wp	300Wp	305Wp	310Wp	315Wp	320Wp
Power Tolerance	0/+5W					
Open Circuit Voltage, V_{oc} (V)*	44.7	45.1	45.5	45.7	45.9	46.2
Short Circuit Current, I_{sc} (A)*	8.52	8.58	8.71	8.75	8.83	8.85
Voltage at Maximum Power, V_{mp} (V)*	36.58	36.9	37.2	37.5	37.9	38.5
Current at Maximum Power, I_{mp} (A)*	8.07	8.14	8.2	8.26	8.32	8.32
Maximum System Voltage (V)	1000VDC (IEC)					
Module Efficiency (%)*	15.15	15.43	15.7	15.96	16.22	16.5
Maximum Series Fuse Rating (A)	15					
Limiting Reverse Current (A)	15					

*Standard Test Conditions (STC): 1000 W/m² irradiance, AM 1.5 spectrum and 25 Deg. C cell temperature.

Mechanical Characteristics*

Length X Width X Thickness (L x W x T) - mm : 1960 x 990 x 40

Weight (kg) : 21

Solar Cells Per Module / Arrangement : 72 / 12 x 6

Solar Cell Type : Multicrystalline Silicon / 156 x 156 (6"x 6")

Front Cover (Material / Thickness) : Tempered & Low Iron Glass, 3.2 mm

Encapsulate : Ethylene Vinyl Acetate

Frame Material : Anodized Aluminum Alloy

Junction Box : IP67

No. of Bypass Diodes : 3 / 6

Connector : MC4 Compatible

Cable : 1000 mm / 4 mm²

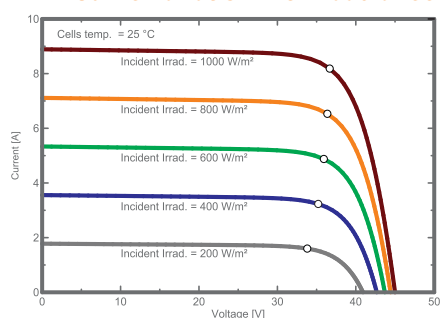
Mechanical Load (Wind/Snow) : 2400Pa / 5400Pa

Fire Safety Class : C

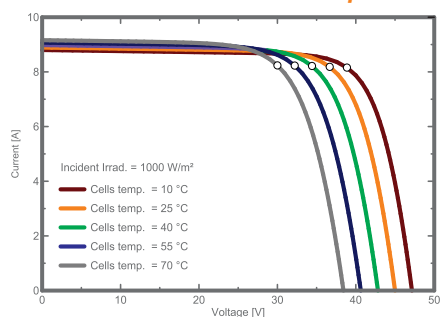
Safety Application Class : A

Safety Class : II

I-V Curve Variation with Irradiance



I-V Curve Variation with Temperature



*The specifications may change and Jyotitech Solar reserves the right to change them without prior notice.
The rated electrical characteristics tolerance +/- 3%.
Conditions Apply.

Thermal Characteristics*

Temp. Coefficient of Current (I_{sc}), α (%/°C) : +0.05

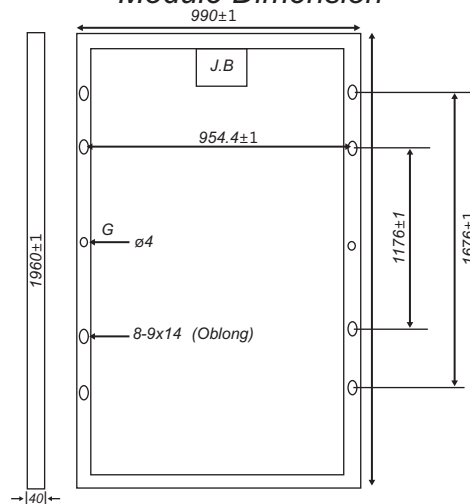
Temp. Coefficient of Voltage (V_{oc}), β (%/°C) : -0.35

Temp. Coefficient of Power (P_m), γ (%/°C) : -0.45

NOCT (°C) : 46 ± 2

Operating Temperature Range (°C) : -40 to 85

Module Dimension



All Dimension in mm

Caution: Follow Installation and User Manual instructions carefully

Our Partners

Jyotitech GmbH

Hildesheimer Str. 265, 30519 Hannover
Germany

Jyotitech Solar LLP

R-456, TTC Industrial Area, MIDC, Rabale, Navi Mumbai – 400701, India.
Email: sales@jyotitechsolar.com | Tel: +91 22 27605000 / 27695000
www.jyotitechsolar.com