

JTS315PP-72

295-315 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 315Wp with 16.23% 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



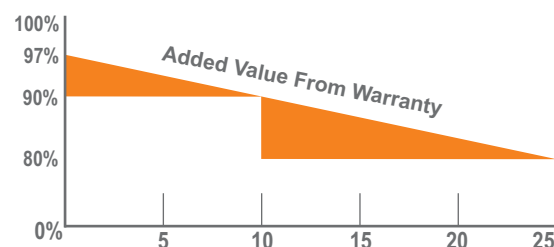
PID Resistant Modules with Long-term Reliability

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.



- 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
	STC	STC	STC	STC	STC
Nominal Maximum Power, P_m (W)*	295Wp	300Wp	305Wp	310Wp	315Wp
Power Tolerance	0/+5W				
Open Circuit Voltage, V_{oc} (V)*	44.80	44.9	45	45.10	45.20
Short Circuit Current, I_{sc} (A)*	8.73	8.85	9	9.12	9.25
Voltage at Maximum Power, V_{mp} (V)*	36.40	36.50	36.60	36.70	36.80
Current at Maximum Power, I_{mp} (A)*	8.10	8.20	8.32	8.42	8.54
Maximum System Voltage (V)	1000VDC (IEC)				
Module Efficiency (%)*	15.15	15.43	15.7	15.96	16.22
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.

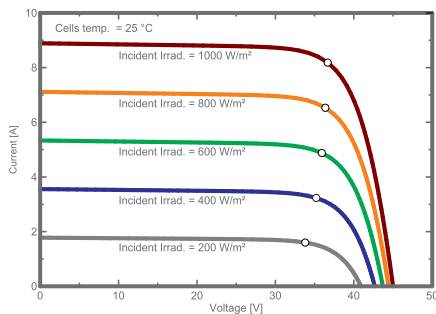
Mechanical Characteristics*

Length X Width X Thickness (L x W x T) - mm	: 1960 x 990 x 40
Weight (kg)	: 22.50
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	: IP65 or IP67
No. of Bypass Diodes	: 3 / 6
Connector	: MC4 Compatible
Cable	: 1000 mm / 4 mm ²
Mechanical Load (Wind/Snow)	: 2400Pa / 5400Pa
Fire Safety Class	: C
Safety Application Class	: A
Safety Class	: II

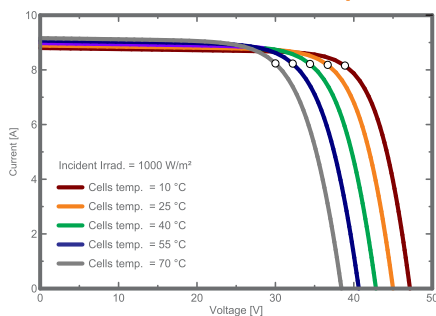
Thermal Characteristics*

Temp. Coefficient of Current (I_{sc}), α (%/°C)	: 0.058
Temp. Coefficient of Voltage (V_{oc}), β (%/°C)	: -0.324
Temp. Coefficient of Power (P_m), γ (%/°C)	: -0.396
NOCT (°C)	: 45 ± 2
Operating Temperature Range (°C)	: -40 to 85

I-V Curve Variation with Irradiance



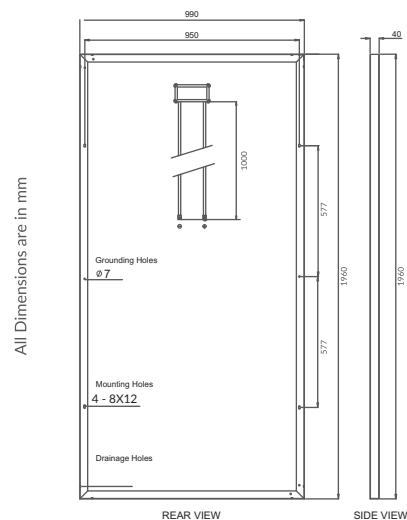
I-V Curve Variation with Temperature



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

Conditions Apply.

Module Dimension



Caution: Follow Installation and User Manual instructions carefully

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