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Solar Panel Guide Specification Data Sheet

Jyotitech Solar Llp

JTS 37W

JTS 37

Also available on the web at
EnergyPal.com/jyotitech-solar-llp-solar-panels/jts-37

JTS 37 – JTS 250 37 – 250 Watt Poly Crystalline Module

Electrical Characteristics*

Module Types	JTS 37	JTS 50	JTS 60	JTS 75	JTS 100	JTS 150	JTS 200	JTS 250
Nominal Maximum Power, P_m (w)*	37	50	60	75	100	150	200	250
Open Circuit Voltage, V_{oc} (V)*	22.1	22.5	22.7	22.5	22.5	22.5	44.6	44.6
Short Circuit Current, I_{sc} (A)*	2.16	2.9	3.50	4.27	5.7	8.55	5.7	7.1
Voltage at Maximum Power, V_{mp} (V)*	18.2	18.7	18.2	18.7	18.7	18.7	36.7	36.8
Current at Maximum Power, I_{mp} (A)*	2.04	2.7	3.30	4.03	5.37	8.6	5.45	6.8
Module Efficiency (%)*	13.2	13.4	13.6	14.6	14.6	15.3	14.9	15.4
Maximum System Voltage (V)	Upto 1000 VDC (IEC)							
Power Tolerance	Positive Tolerance							

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 H) - mm	420 x 665 x 35	560 x 665 x 35	665x665 x35	775 x 665 x 35	1030 x 665 x 35	1475 x 665 x 35	1360 x 990 x 35	1640 x 990 x 35
Weight (kg)	3.5 Kgs	4.5 Kgs	6.0 Kgs	7.0 Kgs	8.0 Kgs	11.0 Kgs	14.0 Kgs	17.5 Kgs
Mechanical Load	Up to 5400 Pa as per IEC 61215							
Encapsulation	Highly Transparent EVA							
Front Glass	Low Iron Tempered Solar Glass							
Backside	Highly Reflective UV Protected Backsheet							
Frame	Anodized Aluminium							
Junction Box	2-rail, 1 diode	2-rail, 1 diode	IP 65 2-rail 1 Diode	IP 65 2-rail 1 Diode	IP 65 2-rail 1 Diode	IP 65 3-rail 2 Diode	IP 67 4-rail 3 Diode	IP 67 4-rail 3 Diode
Cable & Connector	Optional							
Fire Safety Class	C							
Safety Application Class	A							
Safety Class	II							

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

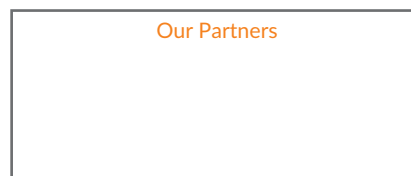
Warranty

Product Warranty	: 5 years
Performance Warranty	: Guaranteed Output Power 90% for 10 Years and 80% for 25 Years

Certificates*

Factory: ISO 9001:2008 ISO 14001:2004 BS OHSAS 18001:2007	Products: IEC 61215, IEC 61730, IEC 61701, IEC 62804 CE
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Our Partners



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*The specifications may change and Jyotitech Solar reserves the right to change them without prior notice