Transforming the power of sun

JAKSON

POLYCRYSTALLINE SOLAR PV MODULES

72 CELLS

315-335Wp POWER OUTPUT RANGE

HIGH EFFICIENCY | **POSITIVE POWER TOLERANCE***

R-93005959

5 Busbar Solar Cell
5 busbar cell design improves module efficiency and offers better power output

Outstanding Durability
With its reinforced frame design, our modules can endure front load of up to 5400 Pa and rear load of up to 2400 Pa to withstand heavy wind & snow loads

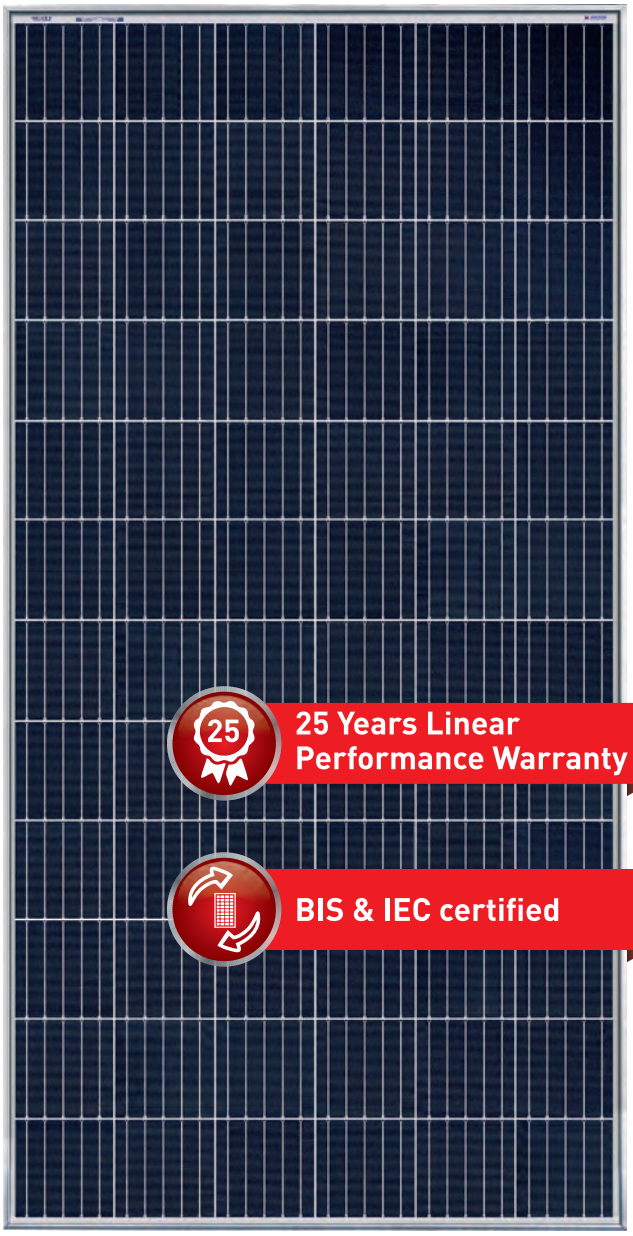
High Power Output
Our PV modules are compact in size and have been designed to deliver enhanced output and efficiency

Better Performance in High Temperature
Our PV modules deliver efficient performance even in high temperature conditions due to its improved temperature coefficient

Low Light performance
Advanced glass and cell surface texture design ensures excellent performance in low light environment

Enhanced Performance
Our PV modules provide more than 80% power output even after 25 years of operation

Global Certifications
IEC 61215, IEC 61730 (I & II), IEC 61853, IEC 62804, IEC 60068, IEC 61701, IEC 62716, BIS Certified - IS 14286



*Positive Power Tolerance of 0 to 4.99W

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Technical Specifications

Module Type	JPH-24X315		JPH-24X320		JPH-24X325		JPH-24X330		JPH-24X335	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power Watts-P_{MAX} (Wp)*	315	234	320	238	325	242	330	246	335	249
Maximum Power Voltage-V_{MPP} (V)*	37.02	33.95	37.08	34.05	37.23	34.22	37.25	34.28	37.70	34.58
Maximum Power Current-I_{MPP} (A)*	8.51	6.89	8.63	6.99	8.730	7.07	8.86	7.18	8.89	7.20
Open Circuit Voltage V_{OC} (V)*	45.60	42.37	45.80	42.55	45.90	42.65	45.94	42.68	46.10	42.83
Short Circuit Current I_{SC} (A)*	9.01	7.30	9.100	7.37	9.250	7.49	9.41	7.62	9.45	7.65
Module Efficiency η_m (%)*	16.23		16.49		16.75		17.01		17.26	

* Under Standard Test Conditions (STC) of 1000 W/m² irradiance, AM 1.5 spectrum and 25°C cell temperature.
NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

Solar Cells	Polycrystalline 156.75 x 156.75 mm
Cell Orientation	72 Cells (6x12)
Module Dimensions	1960 x 990 x 35 mm
Weight	22.5 kg
Glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Backsheet	Composite film
Cell Encapsulation	EVA-Ethylene Vinyl Acetate
Frame	Anodized Aluminium Alloy (40mm also available)
J-Box	IP 67 with 3 bypass diodes
Cables	Cable 4.0 mm², 1200 mm
Connector	MC4 Compatible
Application Class	Class-A (Safety Class-II)

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature Coefficient of P_{MAX}	-0.39%/°C
Temperature Coefficient of V_{OC}	-0.29%/°C
Temperature Coefficient of I_{SC}	0.048%/°C

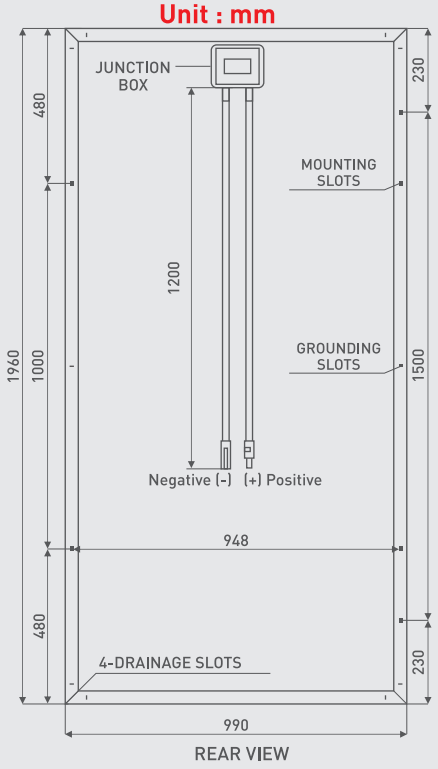
Maximum Ratings

Operating Temperature	-40 to +85°C
Maximum System Voltage	1500V DC (IEC) 1500V DC (UL)
Max Series Fuse Rating	15A

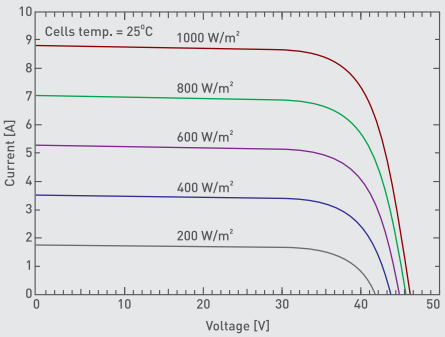
Warranty

12 year Product Workmanship Warranty
25 year Linear Performance Warranty

Dimension of PV Module
Unit : mm



I-V Curve with Irradiance



Linear Performance Warranty

JAKSON GROUP
A-43, Phase-II Extn., Hosiery Complex, Noida-201305, U.P., India | Tel.: +91-120-4302600, 4526100
Toll Free No. : 1800 103 2600 | info@jakson.com | www.jakson.com