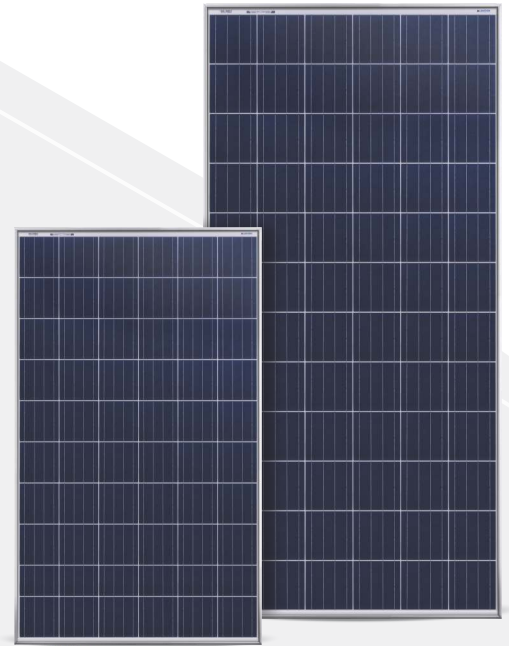


Transforming the power of sun

Highly Efficient Solar PV Modules (Range 250Wp-325Wp)


Jakson manufactures highly reliable & highly efficient solar PV modules based on crystalline silicon technology ranging from 250Wp-325Wp in power output for use in on-grid & off-grid solar power plants, commercial rooftop and land based solar power projects. These modules are manufactured using automated production lines procured from Europe and installed at our manufacturing plant in Greater Noida, India. Jakson solar modules are sealed, weatherproof and highly durable with the ability to withstand high levels of ultraviolet radiations & moisture. Our modules are PID compliant and suitable for varied applications.




Application Areas




Key Features >>




Outstanding Durability
With its new reinforced frame design, Jakson PV modules can endure a front load of up to 5400 Pa, and a rear load of up to 2400 Pa. (Frame thickness 42 mm for 72 cell series)
Our PV modules are resistant to salt mist, ammonia and sand dust.




High Power Output
Our PV modules are compact in size and have been designed to deliver enhanced output and efficient even in limited space.




Positive Power Tolerance
Our Solar PV Modules have positive tolerance of 0~5%. It will generate at least as much power as being shown on technical data sheet, or in favourable conditions-even more.



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



Enhanced Performance Warranty
Jakson PV modules offer enhanced performance warranty. Our PV modules provide more than 80% efficiency even after 25 years of operation.



Aesthetic Design
Our PV modules have been designed keeping design aesthetics in mind. There are no electrodes on the top that makes the product look aesthetically pleasing.

Highly Efficient Solar PV Modules (Range 250Wp-325Wp)

Electrical Properties (STC)	250	300	325
Model	JP250W24V	JP300W24V	JP325W24V
No. of Cells	72	72	72
Maximum Power (Pmax)	250Wp	300Wp	325Wp
MPP Voltage (Vmpp) [V]	35.9	36.6	38.4
MPP Current (Impp) [A]	6.97	8.2	8.47
Open Circuit Voltage (Voc)[V]	44.5	44.8	46.3
Short Circuit Current (Isc) [A]	7.45	8.6	8.97

Mechanical Properties	250-325Wp
Front Load	5400Pa / 113 psf
Rear Load	2400Pa/50psf
Connector Type	MC4 Compatible
Junction Box	IP67 with 3 Bypass Diodes
Cables	1000mm x 2 ea / 39.37in x 2 ea
Glass	High Transmission Tempered Glass (ARC)
Frame	Anodized Aluminium
Cell Type	Polycrystalline

Temperature Characteristics		
NOCT	[°C]	47±2
Pmax	[%/°C]	-0.43
Voc	[%/°C]	-0.32
Isc	[%/°C]	0.04

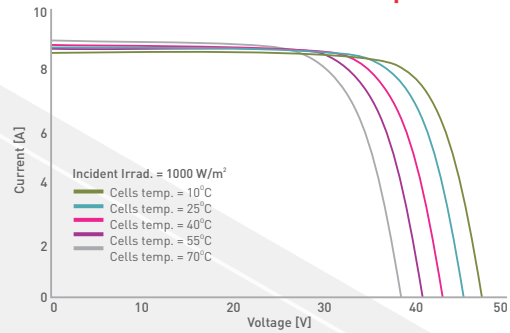
Certifications and Warranty	
Certifications Standard	IEC61215, IEC61730-1&2, IEC 62804, IEC61701 Fire Rating ISO 9001, 14001 & 18001
Performance Warranty	25 Years
Output Warranty of Pmax	Linear Warranty**

Weight (in Kg. Approx) & Dimensions (in mm Approx)		
Model	Dimension	Weight
JP250W24V	1640X990X35/36	18.3
JP300W24V	1960X990X40/42	22
JP325W24V	1960X990X40/42	22

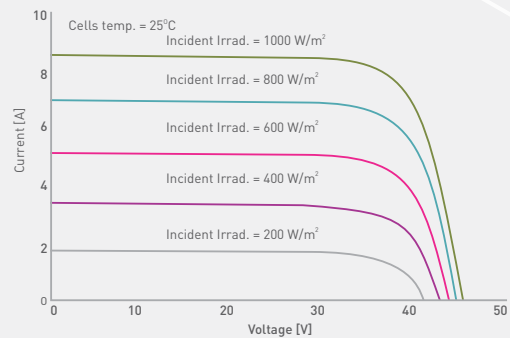
**Refer to Jakson's warranty document for terms & conditions

* The specifications are for reference purpose only. Jakson reserves the right to change the specification without prior notice.

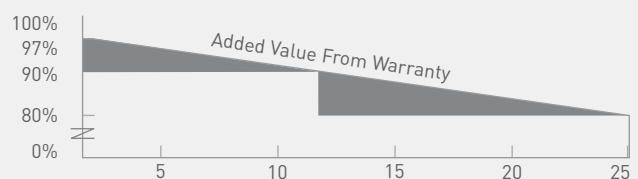
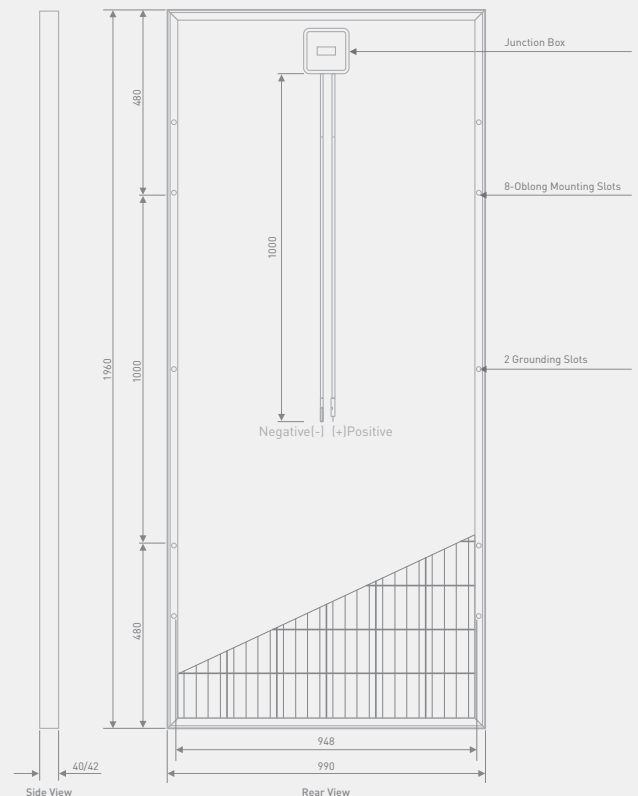
I-V Curve Variation with Temperature



I-V Curve Variation with Irradiance



Typical Design Specifications



JAKSON ENGINEERS LTD.

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

Product specifications are subject to change without notice.
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