

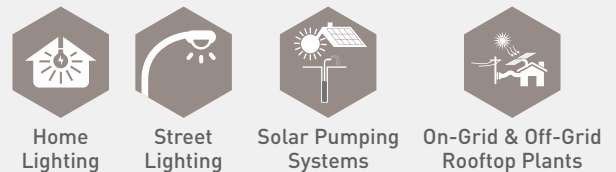
Transforming the power of sun

Highly Efficient Solar PV Modules (Range 10Wp-200Wp)

Jakson manufactures highly reliable & highly efficient solar PV modules based on crystalline silicon technology ranging from 10Wp-200Wp in power output for use in a wide range of residential, off-grid rooftop solar power plants, water pumping systems & solar street lighting. 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 and moisture. Our modules are PID compliant and suitable for varied applications.



Application Areas



Key Features >>



Enhanced Performance Warranty

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



Outstanding Durability

With its new reinforced frame design, our PV modules can endure a front load of up to 5400 Pa, and a rear load of up to 2400 Pa.



Better Performance in High Temperature

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



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.



High Power Output

Our PV modules are compact in size and have been designed to deliver enhanced output and efficiency even in limited space.



Resistance and Quality

Our PV modules are resistant to salt mist, ammonia and sand dust.

Highly Efficient Solar PV Modules (Range 10Wp-200Wp)

Electrical Properties (STC)	10	20	50	80	100	150	200
Model	JP10W12V	JP20W12V	JP50W12V	JP80W12V	JP100W12V	JP150W12V	JP200W12V
No. of Cells	36	36	36	36	36	36	72
Maximum Power (Pmax)	10Wp	20Wp	50Wp	80Wp	100Wp	150Wp	200Wp
MPP Voltage (Vmpp) [V]	17.7	17.7	17.7	17.7	17.7	18	17.9
MPP Current (Impp) [A]	0.57	1.15	2.83	4.25	5.7	8.35	11.2
Open Circuit Voltage (Voc) [V]	21.5	21.5	21.5	21.5	21.5	22.5	22.2
Short Circuit Current (Isc) [A]	0.65	1.3	3.1	4.7	6.2	8.7	12

Mechanical Properties	10-200Wp
Front Load	5400Pa / 113psf
Rear Load	2400Pa/50psf
Junction Box	IP67 with 3 Bypass Diodes
Cables	1000mm x 2 ea / 39.37in x 2 ea
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminium
Cell Type	Polycrystalline

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

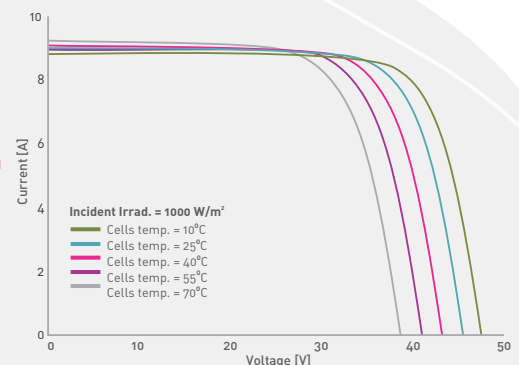
Certifications and Warranty	
Certifications Standard	IEC61215, IEC61730-1&2, IEC 62804, IEC61701 Fire Rating ISO 9001, 14001 & 18001
Performance Warranty	25 Years
Output Warranty of Pmax	Linear Warranty**

Weight (in Kg. Approx) & Dimensions (in mm Approx)		
Model	Dimension	Weight
JP10W12V	300x350x22	1.4
JP20W12V	500x350x22	2.1
JP50W12V	600x670x34/35	4.7
JP80W12V	860x670x34/35	7
JP100W12V	1100x670x34/35	9
JP150W12V	1495x670x34/35	12.2
JP200W12V	1430x990x35/36	16

**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.

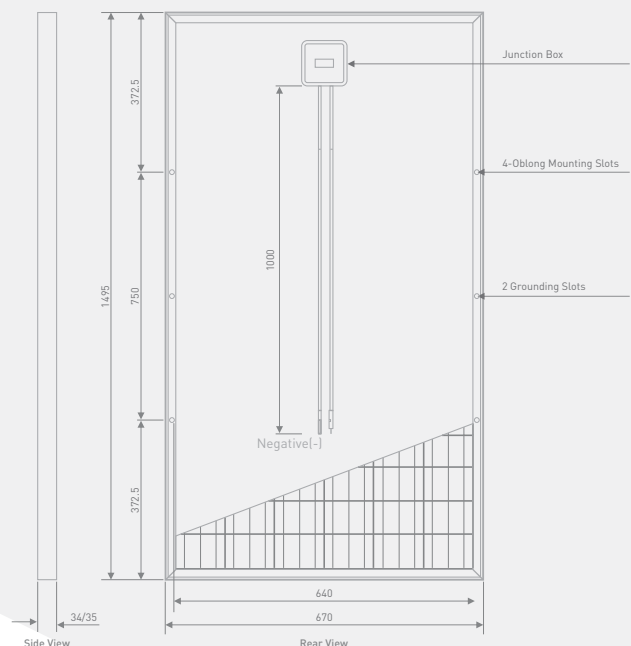
I-V Curve Variation with Temperature



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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