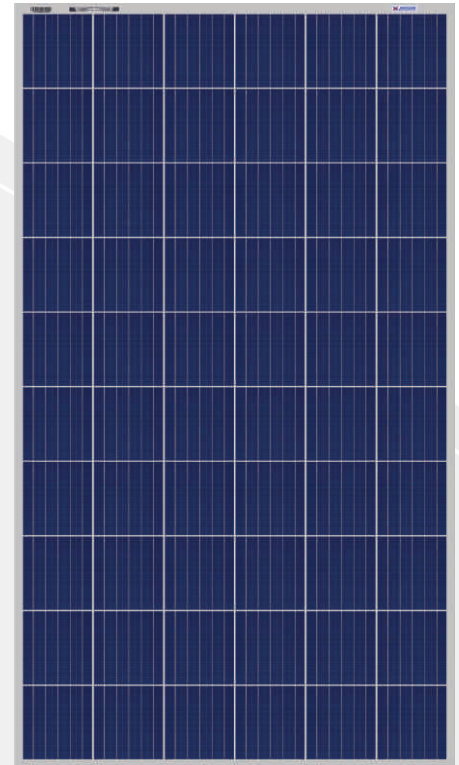


Transforming the power of sun

Polycrystalline Dual Glass Module (Range 260Wp-280Wp)

Jakson manufactures highly reliable & efficient polycrystalline dual Glass solar PV modules ranging from 260Wp-280Wp in power output for use in a wide range of residential & commercial buildings, rooftop & land based solar power plants, amongst others. Advanced glass and solar cell surface texturing allow for excellent performance and durability.

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



Land based solar plants (suitable for desert conditions)



BIPV solutions



On-grid & Off-Grid rooftop plants

Key features >



5 Busbar solar cells

5 bus bar solar cell adopts new technology to improve the efficiency of modules and offers a better aesthetic appearance, making it perfect for ground and rooftop installation.



Severe weather resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Less maintenance required

Reduced soiling and snow coverage requires less maintenance and enhances fire safety.



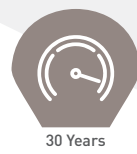
Durability against extreme environmental conditions

High salt mist and ammonia resistance certified by TÜV Rheinland.



Low-light performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



30 years linear performance warranty

15 year limited warranty against manufacturing defects. Average degradation of 0.5% over 30 years.

Polycrystalline Dual Glass Module (Range 260Wp-280Wp)

Physical parameters

Solar cell	Polycrystalline 156.75 x 156.75 mm
Cell configuration	60 cell (10 x 6)
Module dimension	1658 x 992 x 6.3 mm
Weight	23 kg
Front glass	2 mm, high transmission, low iron, tempered ARC glass
Back glass	2 mm, tempered glass
Interlayer	0.5 POE (white)
J-Box	IP67, 1000VDC, 3 bypass diodes
Cables	4.0 mm (12AWG), 1100 mm length (customer demand)
Connector	IP67 MC4 or its compatible

Temperature coefficient & parameters

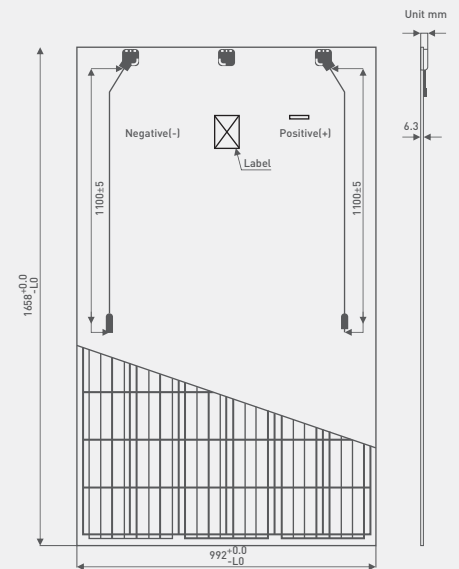
Nominal operating cell temperature (NOCT)	45°C ± 2°C
Temperature coefficient of Pmax	-0.385%/°C
Temperature coefficient of Voc	-0.32%/°C
Temperature coefficient of Isc	0.055%/°C
Operating temperature	-45°C ~ +85°C
Maximum system voltage	1000VDC
Limiting reverse current	15A
Maximum series fuse rating	15A
Power tolerance (W)	0/+3%
Application class	Class A
Wind and snow front load	Up to 5,400 Pa
Wind back load	2,400 Pa

Electrical parameters (STC)

TYPE	JGM60-6-260PDG	JGM60-6-265PDG	JGM60-6-270PDG	JGM60-6-275PDG	JGM60-6-280PDG
Rated maximum power at STC (Wp)	260	265	270	275	280
Open circuit voltage Voc (V)	38.1	38.6	38.8	39.2	39.6
Maximum power voltage Vmpp (V)	31.1	31.4	31.7	32.0	32.4
Short circuit current Isc (A)	8.98	9.03	9.09	9.14	9.20
Maximum power current Impp (A)	8.37	8.44	8.52	8.6	8.7
Module efficiency (%)	15.88	16.19	16.50	16.80	17.10

STC: Irradiance 1000W/m², cell temperature 25°C, air mass 1.5

Dimension of PV module unit



Electrical parameters (NOCT)

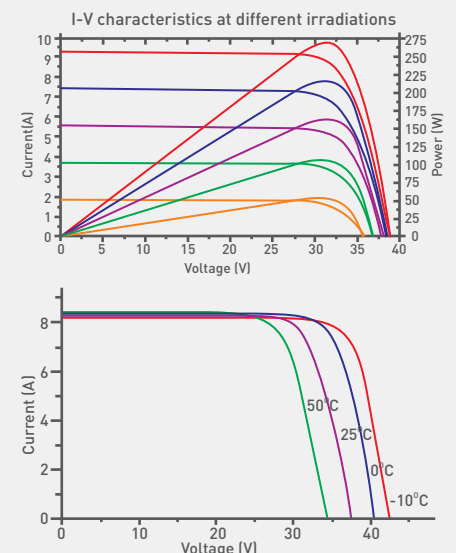
TYPE	JGM60-6-260PDG	JGM60-6-265PDG	JGM60-6-270PDG	JGM60-6-275PDG	JGM60-6-280PDG
Maximum power (Pmax) [W]	193	197	200	204	207
Open circuit voltage Voc (V)	35.2	35.3	35.4	35.4	35.6
Maximum power voltage Vmp (V)	28.7	29.0	29.4	29.8	30.2
Short circuit current Isc (A)	7.31	7.36	7.38	7.42	7.46
Maximum power current Imp (A)	6.71	6.78	6.80	6.85	7.00

NOCT: Under normal operating cell temperature, irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1m/s

Packaging dimension configuration

	40ft	20ft
Number of modules per container	780	360
Number of modules per pallet	30	30
Number of pallets per container	26	12
Packing box (LxWxL) in mm	1770x1140x1184	1770x1140x1183
Box gross weight (Kg)	753	753

I-V Curve



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.
© JAKSON ENGINEERS LTD. All rights reserved.