

Transforming the power of sun



GLASS TO GLASS
SOLAR PV MODULES

60 CELLS

260-280Wp POWER OUTPUT RANGE

HIGH EFFICIENCY

POSITIVE POWER TOLERANCE



5 Busbar Solar Cell

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



Weather Resilience

Certified to withstand high 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



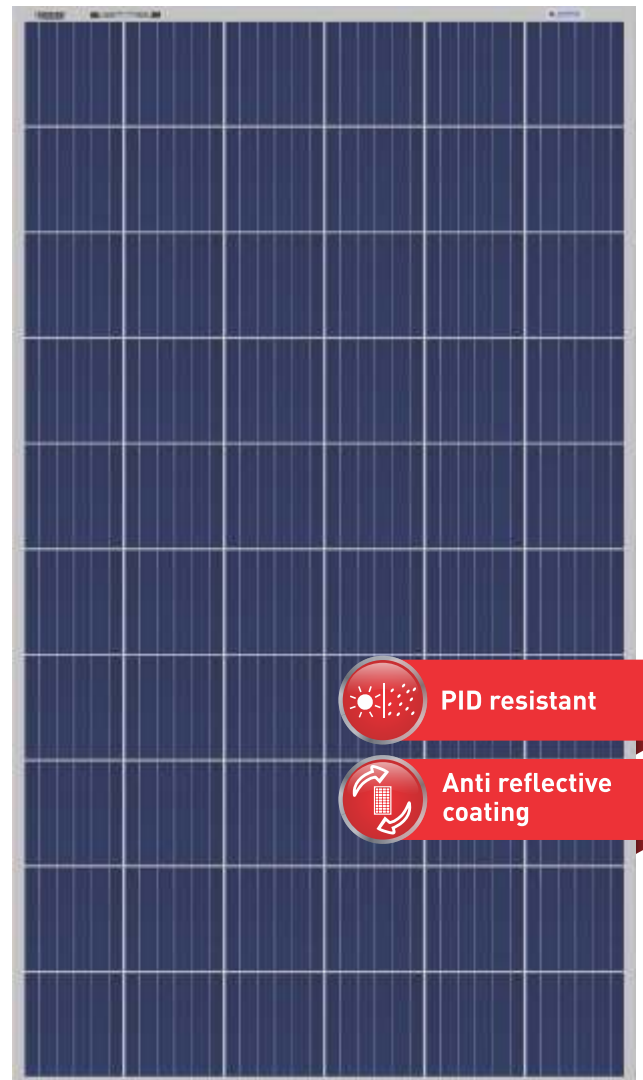
Enhanced Performance

Our PV modules provide more than 80% efficiency even after 25 years of operation



Global Certifications

Confirming to IS & BIS standard



Technical Specifications

Module Type	JGM60-6-260PDG		JGM60-6-265PDG		JGM60-6-270PDG		JGM60-6-275PDG		JGM60-6-280PDG	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	260	194	265	197	270	201	275	205	280	208
Maximum Power Voltage (Vmp)	30.80	28.30	31.00	28.50	31.30	28.60	31.60	28.65	31.70	28.72
Maximum Power Current (Imp)	8.60	7.03	8.65	7.07	8.70	7.09	8.76	7.19	8.80	7.20
Open-circuit Voltage (Voc)	37.90	35.50	38.10	35.60	38.15	35.69	38.38	35.70	38.40	35.75
Short-circuit Current (Isc)	9.20	7.33	9.30	7.50	9.40	7.52	9.48	7.68	9.49	7.69
Module Efficiency STC (%)	15.20		15.50		15.08		16.10		16.40	

* 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

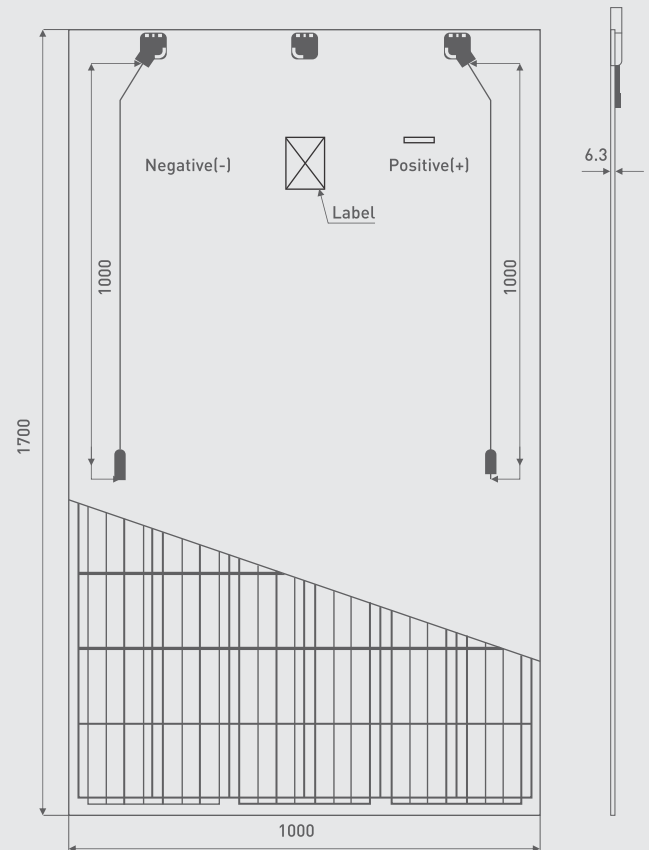
Mechanical Characteristics

Cell Type	Polycrystalline 156.75 x 156.75 mm
No. of cells	60 (6x10)
Dimensions	1700x1000x6.3mm
Weight	23 kg
Front Glass	2 mm, high transmission, low iron, tempered ARC glass
Back Glass	3.2 mm, tempered glass
Interlayer	0.5 POE
Junction Box	IP67, 1000VDC, 3 bypass diodes (split junction box)
Output Cables	4.0 mm (12AWG), 1000 mm length (on demand)
Connector	IP67 MC4 or its compatible

Mechanical Properties

Nominal operating cell temperature (N ^o CT)	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

Dimension of PV Module (Unit in mm)



I-V Curve With Irradiance

