

Transforming the power of sun



POLYCRYSTALLINE
SOLAR PV MODULES

36 CELLS

5-160 Wp POWER OUTPUT RANGE

HIGH EFFICIENCY

POSITIVE POWER TOLERANCE



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



Better Performance in High Temperature

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



High Power Output

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



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

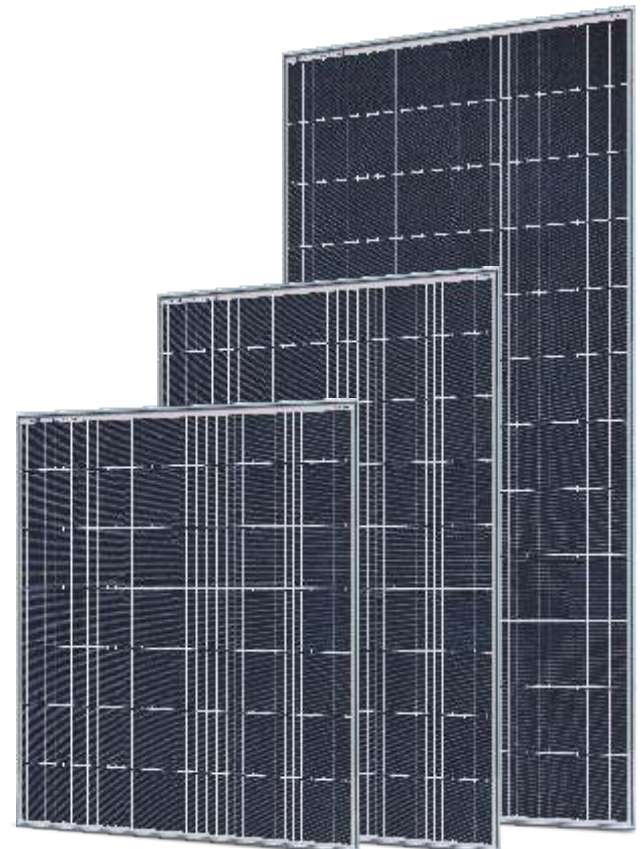
IEC 61215, IEC 61730 (I & II)
Ammonia and hail resistant (IEC 61701)
Comply to BIS standard



PID resistant (IEC 62804)



Anti reflective coating



Jakson manufactures highly reliable & highly efficient solar PV modules based on crystalline silicon technology ranging from 5 Wp - 160 Wp in power output for use in a wide range of on-grid & off-grid solar power plants, solar water pumps solar street lighting & other solar systems. These modules are manufactured using automated production lines procured from Europe and installed at our 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.

Electrical Data – Standard Test Conditions (STC)

Module Type	Power in Wp	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Max System Voltage (in Volts)	Solar Cells per Module (Units)	Weight (in Kg.) (Approx)
JP-12x05	5	17.0	0.3	21.0	0.3	600	36	0.8
JP-12x10	10	17.7	0.57	21.5	0.65	600	36	1.4
JP-12x20	20	17.7	1.15	21.5	1.30	600	36	2.1
JP-12x37	37	17.7	2.1	21.5	2.30	600	36	4.2
JP-12x40	40	17.7	2.30	21.5	2.50	1000	36	4.1
JP-12x50	50	17.7	2.83	21.5	3.10	1000	36	4.7
JP-12x60	60	17.7	3.40	21.5	3.70	1000	36	5.7
JP-12x75	75	17.7	4.25	21.5	4.70	1000	36	7
JP-12x100	100	17.7	5.70	21.5	6.20	1000	36	9
JP-12x125	125	17.7	7.07	21.5	7.65	1000	36	10.7
JP-12x150	150	18.0	8.35	22.5	8.70	1000	36	12.2
JP-12x160	160	18.4	8.70	22.9	9.00	1000	36	12.2

STC : Irradiance 1000 W/m², Module Temperature 25°C, Spectrum AM 1.5
200 Wp with 48 cell module available on special request

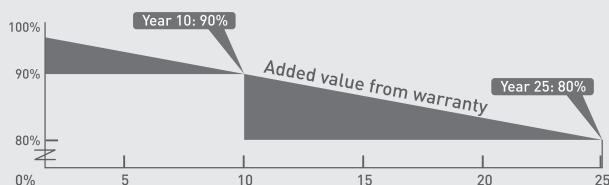
Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	45°C (±2°C)
Temperature Coefficient of P _{MAX}	-0.43%/°C
Temperature Coefficient of V _{oc}	-0.32%/°C
Temperature Coefficient of I _{sc}	+0.04%/°C

All electrical parameters specified at STC: 25°C Cell temperature; 1000 W/m² Irradiance; AM 1.5G

Linear Performance Warranty

5 Year Product Warranty* - 25 Year Linear Power Warranty*



Applications

- Rural electrification
- Battery charging systems
- Power supply for telecom towers
- Large ON & OFF grid power plants
- Street lighting & home lighting systems
- Other industrial & commercial applications
- Monitoring systems for oil and gas industry
- Water pumping for villages/ Irrigation Pumps
- Residential, commercial & industrial building rooftop systems
- Traffic security signaling systems and other remote monitoring