Transforming the power of sun



POLYCRYSTALLINE SOLAR PV MODULES

72 CELLS

315-335Wp POWER OUTPUT

HIGH EFFICIENCY

POSITIVE POWER TOLERANCE*





ISO



ISO









5 Busbar Solar Cell

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



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



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% power output even after 25 years of operation



Global Certifications

IEC 61215, IEC 61730 (I & II), IEC 61853, IEC 62804, IEC 60068, IEC 61701, IEC 62716, BIS Certified - IS 14286



POLYCRYSTALLINE SOLAR PV MODULES





Technical Specifications



Module Type	JPH-24X315		JPH-24X320		JPH-24X325		JPH-24X330		JPH-24X335	
	STC	NOCT								
Peak Power Watts-PMAX (Wp)*	315	234	320	238	325	242	330	246	335	249
Maximum Power Voltage-V _{MPP} (V)*	37.02	33.95	37.08	34.05	37.23	34.22	37.25	34.28	37.70	34.58
Maximum Power Current-IMPP (A)*	8.51	6.89	8.63	6.99	8.730	7.07	8.86	7.18	8.89	7.20
Open Circuit Voltage Voc (V)*	45.60	42.37	45.80	42.55	45.90	42.65	45.94	42.68	46.10	42.83
Short Circuit Current Isc (A)*	9.01	7.30	9.100	7.37	9.250	7.49	9.41	7.62	9.45	7.65
Module Efficiency η _m (%)*	16.3	23	16.	49	16	.75	17.	.01	17.	26

^{*} 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

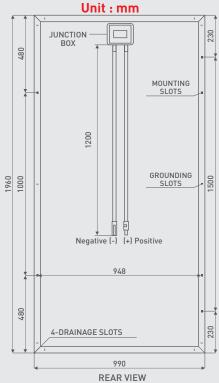
Mechanical Data	
Solar Cells	Polycrystalline 156.75 x 156.75 mm
Cell Orientation	72 Cells (6x12)
Module Dimensions	1960 x 990 x 35 mm
Weight	22.5 kg
Glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Backsheet	Composite film
Cell Encapsulation	EVA-Ethylene Vinyl Acetate
Frame	Anodized Aluminium Alloy (40mm also available)
J-Box	IP 67 with 3 bypass diodes
Cables	Cable 4.0 mm², 1200 mm
Connector	MC4 Compatible
Application Class	Class-A (Safety Class-II)

Temperature Ratings	
Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature Coefficient of PMAX	-0.39%/°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.048%/°C

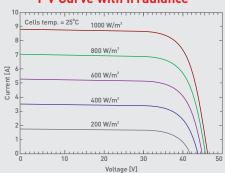
Maximum Ratings	
Operating Temperature	-40 to +85°C
Maximum System Voltage	1500V DC (IEC) 1500V DC (UL)
Max Series Fuse Rating	15A

Warranty	
10 year Product Workmanship Warranty	
25 year Linear Performance Warranty	

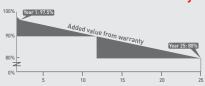
Dimension of PV Module



I-V Curve with Irradiance



Linear Performance Warranty



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