

SPECIFICATIONS OF SOLAR PHOTOVOLTAIC MODULES

S.No	Name of the Specification		Value
1.	Type of the Solar Cells		Polycrystalline Silicon
2.	No. of Cells per Module		72
Electrical Parameters at Standard Test Conditions [Irradiance:1000W/m ² , Cell temperature: 25°C, AM 1.5 Spectrum]			
1.	Peak Power Range (W _p)		325-335 W _p
2.	Power Tolerance		0-2 % of Peak power
3.	Module efficiency		>16%
4.	Maximum Power Point Voltage (V)		36-39 V
5.	Maximum Power Point Current (A)		8-9 A
6.	Open Circuit Voltage (V)		45-47 V
7.	Short Circuit Current (A)		9-10 A
Mechanical Specifications			
1.	Dimensions	Length (mm)	1950 -1980 mm
		Width (mm)	985-995 mm
		Thickness (mm)	35-45 mm
2.	Weight (kg)		<23 kg
3.	Junction Box		IP67/68
4.	Bypass Diodes		3
5.	Connectors		MC4
6.	Application Class		A
7.	Safety Class		Class II
8.	Front glass		Tempered Glass with anti reflective coating
9.	Cell Encapsulation		Ethylene Vinyl Acetate
10.	Frame		Anodized Aluminium
11.	Mechanical Wind load Sustainability Level (Pa)		2400 Pa
Other Specifications			
1.	Temperature coefficient of Power (%/°C)		Should be greater than (-0.45) %/°C
2.	Maximum System Voltage		>= 1000V
3.	Operating temperature Range		-40°C to +85°C
Warranty			
1.	Product Warranty		>=10 years
2.	Performance warranty		Output Peak Watt Capacity should not be less than: (a) 90% of the initial Peak Power watt capacity at the end of 10 years (b) 80% of the initial Peak Power watt capacity at the end of 25 years
Certifications			
1.	Certifications		IEC 61215 / IS14286, IS/IEC 61730, IEC 61701/IS 61701, IEC 62716, IEC 62804

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