

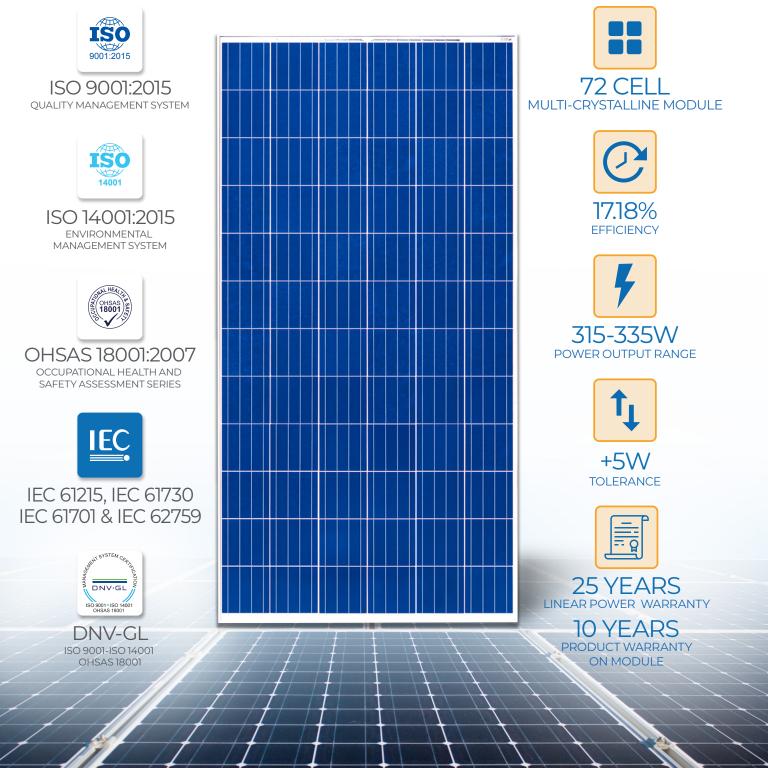
THE SOLAR PIONEER

We at Emmvee have played a key role in boosting solar solutions in India. With our expertise and over 25 years of producing solar water heating solutions and photovoltaic modules, we are the preferred partners for several industry leaders and solar power projects globally.

We understand our consumers and constantly innovate to deliver solutions that meet their needs. Which is why we have introduced **Emmvee Crystal - 1500V DC PV Module**, a solar panel that produces 1500 volts rather than the standard 1000 volts, thus delivering a higher output and increased efficiency.

EMMVEE CRYSTAL - 1500V DC PV MODULE

Every Emmvee product is manufactured to stringent global standards and certified by:

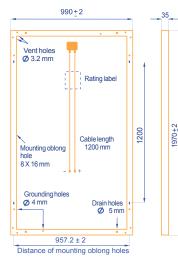


72 CELLS MODULES SPECIFICATION

Electrical data at 1000 \	N/m² 25°C and A.	M. 1.5 (STC in ac	cordance with IE	C 60904-3)	
Rated power at STC ¹	315 Wp	320 Wp	325 Wp	330 Wp	335Wp
Module efficiency at STC ²	16.15%	16.41%	16.66%	16.92%	17.18%
Open circuit voltage - Voc (Volts)	45.4	45.7	45.8	45.9	46
Short circuit current - Isc (Amps)	9.01	9.06	9.11	9.2	9.31
Max power voltage - Vpm (Volts)	36.7	37.1	37.4	37.7	37.8
Max power current - Ipm (Amps)	8.58	8.63	8.68	8.76	8.86
1 The measurement tolerance of the rated power is \pm 3%. The 2 At low irradiance (200 W/m², 25°C and AM 1.5), the module			2.5 Wp.		
Electrical data	a at 800 W/m², NG	OCT, 1m/s wind s	peed and AM 1.5	5	
Rated power at (Pmax)	234	238	242	246	249
Open circuit voltage - Voc (Volts)	42.3	42.5	42.6	42.7	42.9
Short circuit current - Isc (Amps)	7.27	7.35	7.47	7.57	7.58
Rated voltage - (Vmpp)	34.3	34.4	34.5	34.6	34.9
Rated current - (Impp)	6.83	6.91	7.02	7.11	7.14
	Therr	nal data			
Temperature coefficient open circuit voltage	-0.34% / K				
Temperature coefficient short circuit current	+0.05% / K				
Temperature coefficient rated power	-0.4% / K				
NOCT (normal operating cell temperature)	46°C±2°C				
	Mecha	nical data			
Number of cells & cell type	72 multi-crystalline solar cells (156.75 mm x 156.75 mm)				
Dimensions: length x width x height	1970 mm x 990 mm x 35 mm				
Weight	22 kg				
Front glass	3.2 mm high transmission, tempered glass				
Embedding	EVA				
Back sheet	Composite film, white				
Junction box	Protection class IP 65/67				
Number of bypass diodes	3				
Cables	4 mm² solar cables, length 1200 mm				
Connectors	MC4 compatible				
	Possible oper	ating conditions			
Operating temperature range	-40°C to 85°C				
Max. system voltage	1500 VDC				
Max. reverse current	20A				
Max. surface load capacity	5400 Pa				
Resistance against hail	Maxø 24 mm with impact speed of 83 km/h				
Protection class			II		

TECHNICAL DRAWING

All Dimensions in mm

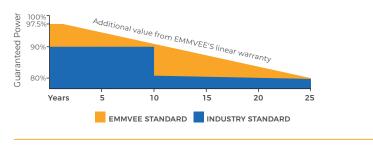


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Note 1: The specification -

LINEAR PERFORMANCE WARRANTY

- » 10 Year Product Warranty
- » 25 Year Linear Power Warranty





EMMVEE Photovoltaic Power Private Limited No. 13/1 International Airport Road, Bettahalasur Post, Bengaluru - 562 157, Karnataka, India.

Refer EMMVEE standard warranty terms and conditions.
** On availability of stock.

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