

Trust Us to **Energize Better** >>



Solar PV Modules



Solar Division


Raajratna Ventures Ltd.
AN ISO 9001:2015 Certified Company

Raajratna Group History

Raajratna Ventures Limited is part of Raajratna group of companies having annual sales of ₹ 2000 Cr. Raajratna group is established in year 1990 engaged into manufacturing various products like stainless steel wire, stainless steel bars, stainless steel fasteners, stainless steel pipes, welding consumables, solar modules and aluminium profiles, Crepe Paper. Our products are manufactured, identified and sold globally under the brand name 'RAAJ'.

Raajratna Ventures Limited Company Profile

► FASTENERS DIVISION:

We are the leading supplier of Stainless Steel Fasteners established in 2005, with the production capacity of 12000 Tonnes / Annum. We exports 80% of our production in more then 20 countries. We have strong Dealer Distribution Network PAN India. Mainly producing Stainless Steel Standard Fasteners as per DIN / ISO / ASTM / JIS. We assure our customers to deliver Optimum prodcuts with a cometitive price.

► TUBE DIVISION:

Established in 2010, Raaj Tubes is into manufacturing the stainless steel square and rectangular hollow sections for a large range of industries. Our production capacity is around 8400 MT/ Annum among which 65% is being exported in USA and EU countries. We are having a huge customer base PAN India and are being made using ISO standards.

► PAPER DIVISION:

Raajratna Ventures Ltd. has started paper processing plant. We are manufacturing Crepe paper Packaging Grade, Electrical Grade as per IEC-60554-3-3, Seed Germination Paper as per IS:6671 - 1987 & VCI Paper as per IS 6263 - 1972.

► SOLAR DIVISION:

RAAJ Solar, established in the year 2010 in Gujarat which is one of the leading Solar Photovoltaic Module Manufacturer with strong customer base PAN India. We have set up an **Fully Automated Manufacturing unit** in Chandarda with an annual Production capacity of **300 MW**, using state-of-the-art technology, for higher Quality & Efficiency.

We offer DCR & NON DCR Multi-crystalline PV modules Ranging from 325Wp to 335Wp and MONO PERC Half Cut cell Mono Facial & Bi-Facial PV Modules ranging from 530Wp to 550Wp as per MNRE approved guidelines. "RAAJ" modules are widely used in Large utility scale projects, Industrial & Commercial projects, Agriculture solar water pumping system, Residential roof top projects, Street lights and various PV Applications.



AUTO STRINGER MACHINE



ROBOTIC LAYUP



“RAAJ” Module Technical Specifications

POLY R325P to R335P

72 Cell

Model	Dimension in mm	Vmp (V)	Voc (V)	Isc (A)	Imp (A)	Efficiency (%)
R325P	1986 x 1001 x 35	38.16	46.20	8.90	8.52	16.75
R330P	1986 x 1001 x 35	38.16	46.20	9.04	8.65	17.00
R335P	1986 x 1001 x 35	38.16	46.20	9.18	8.78	17.25

1500 V Dc

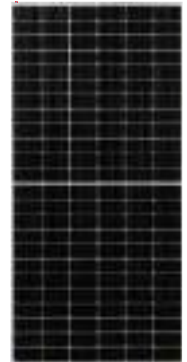


MONO PERC R530M to R550M

Half Cut Cell

144 Cell

Model	Dimension in mm	Vmp (V)	Voc (V)	Isc (A)	Imp (A)	Efficiency (%)
R530M	2279 x 1134 x 35	41.90	49.18	13.22	12.65	20.51
R535M	2279 x 1134 x 35	42.12	49.39	13.27	12.70	20.70
R540M	2279 x 1134 x 35	42.26	49.54	13.35	12.78	20.89
R545M	2279 x 1134 x 35	42.34	49.61	13.45	12.87	21.09
R550M	2279 x 1134 x 35	42.55	49.82	13.51	12.93	21.28



Note : (irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C)

BI-FACIAL REAR SIDE POWER GAIN OUTPUT

Model	R530M	R535M	R540M	R545M	R550M
10% Module Output	583	589	594	600	605
15% Module Output	610	615	621	627	633
20% Module Output	636	642	648	654	660
25% Module Output	663	669	675	681	688



Note: Power gain from rear side depends upon the ground reflectance & Bi-facial factor

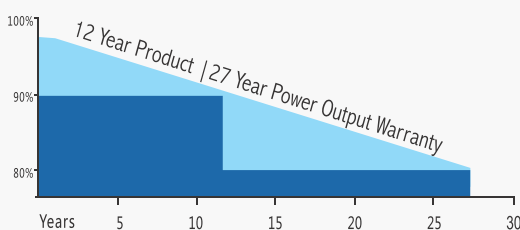
Mono Temperature Characteristics

Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.05%/°C

Poly Temperature Characteristics

Temperature Coefficient of Pmax	-0.40%/°C
Temperature Coefficient of Voc	-0.33%/°C
Temperature Coefficient of Isc	+0.05%/°C

Linear Performance Warranty

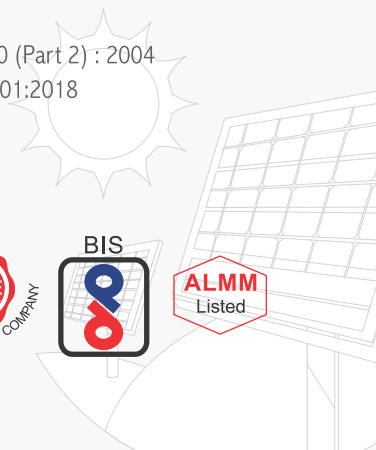


Comprehensive Certificates

- MNRE, UL- IEC 61701 and IEC 61853 -1
- BIS IS 14286 : 2010/ IEC 61215 : 2005,
- IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004
- ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Superior Warranty

- 12 Year Product Warranty
- 27 Year Linear Power Output Warranty





📍 PAN INDIA AVAILABILITY



S S Fasteners • S S Tubes • Solar Panel • Crepe Paper


Raajratna Ventures Ltd.

AN ISO 9001:2015 Certified Company

Manufacturer & Exporter of Solar PV Modules



OFFICE :

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