

TRUST US TO **ENERGIZE BETTER**

P TYPE | MONO

540 Wp to 560 Wp

DCR | NON-DCR



Superior Manufacturing
Technology Design



In-House Quality Checks



High Performance under
low light condition



Anti Reflective
Coated Glass



10 BB Cell



PID Resistant



Positive Power Tolerance



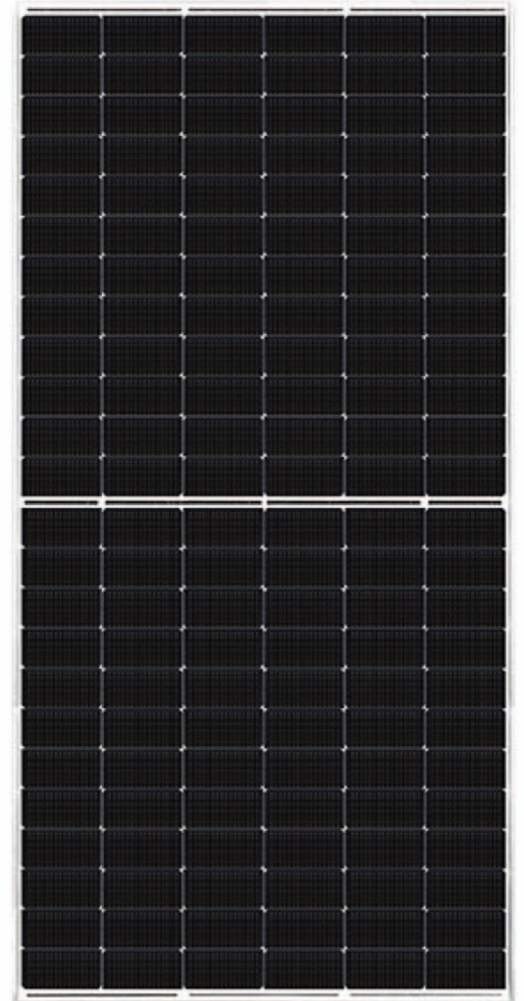
Test Performs : IR, Hipot &
Ground Bond



Sales & Service Support

12
Years Product
Warranty

27
Years Linear Power
Output
Warranty



21.68%
Maximum
Efficiency



1500 V DC



PAN INDIA
AVAILABILITY

CERTIFICATIONS



ELECTRICAL CHARACTERISTICS (STC*)

Module Wattage	540Wp	545Wp	550Wp	555Wp	560Wp
Maximum Power at STC (Pmax)	540	545	550	555	560
Optimum Operating Voltage (Vmp)	42.26	42.34	42.55	42.63	42.84
Optimum Operating Current (Imp)	12.78	12.87	12.93	13.02	13.07
Open Circuit Voltage (Voc)	49.54	49.61	49.82	49.88	49.95
Short Circuit Current (Isc)	13.35	13.45	13.51	13.59	13.73
Module Efficiency (%)	20.89	21.09	21.28	21.48	21.68
Cell Type & No. Of Cells	Mono PERC 144 Half Cut Cells (72X2)				
Solar Cell Size	182 X 182				

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

ELECTRICAL CHARACTERISTICS (NOCT*)

Module Wattage	540Wp	545Wp	550Wp	555Wp	560Wp
Maximum Power (Pm) - W	408	412	416	419	423
Maximum Voltage (Vmp) - V	38.71	38.78	38.98	39.05	39.24
Maximum Current (Ip) - A	10.54	10.62	10.66	10.74	10.78
Open Circuit Voltage (Voc) - W	46.47	46.53	46.73	46.79	46.85
Short Circuit Current (Isc) - A	11.01	11.10	11.14	11.22	11.27

NOCT: irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C

BIFACIAL REAR SIDE POWER GAIN OUTPUT

Module Wattage	540Wp	545Wp	550Wp	555Wp	560Wp
10% Module Output	594	600	605	610	616
15% Module Output	621	627	633	638	644
20% Module Output	648	654	660	666	672
25% Module Output	675	681	688	693	700

Note: Power gain from rear side depends upon the ground reflectance & bifacial factor

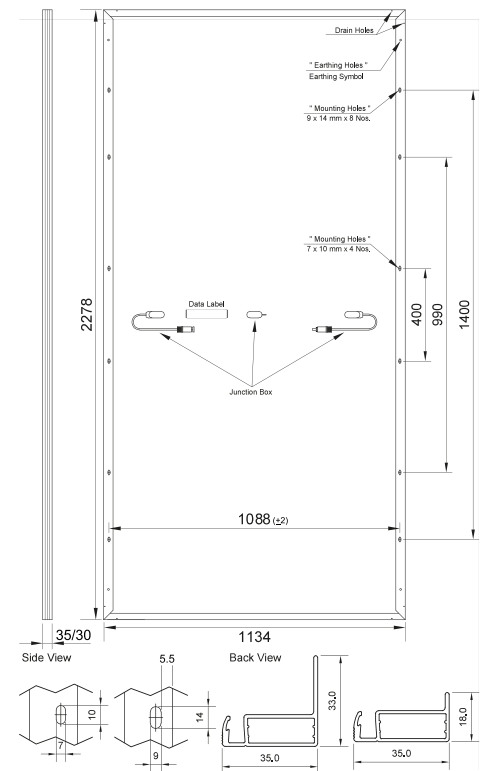
TEMPERATURE CHARACTERISTICS

Temperature Co-efficient of Pmax	-0.35% / °C
Temperature Co-efficient of Voc	-0.28% / °C
Temperature Co-efficient of Isc	0.05% / °C

The electrical data given here is for reference purpose only.

Due to continuous product updation, specifications may change without notice.

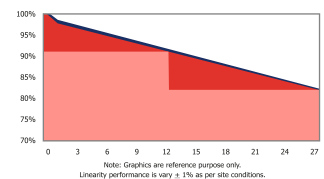
Mono | Bi-Facial



MECHANICAL SPECIFICATIONS

Glass	3.2 mm Thickness, Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	3 splits, IP 68 rated
Output Cables & Connectors	300 mm with MC4 Connectors
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC
Maximum Series Fuse Rating	20A
Power Tolerance	0 to +5 W
Packing	28 pieces / pallet
Mechanical Load	5400 Pa for snow load & 2400 Pa wind load
Warranty	12 Year Product Warranty / 27 Year Linear Power Output Warranty
Module Size	2278 x 1134 x 35 mm
Module Weight	28 kgs Approx

LINEAR PERFORMANCE



Applicable only when module installation done as per RAAJ Solar installation manual



CORPORATE OFFICE:

11, Commissionerate Road, Ashok Nagar,
Bengaluru, Karnataka - 560025

CONTACT US:

+91 99011 00428

support@atriarenewable.com

www.atriarenewable.com



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution,
Govt. of India)

मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002
Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002
दूरभाष / Phone: +91-11-23230856/2323010131/23233375/23239402
ई-मेल / E-mail: registration@bis.gov.in
वेबसाइट / Website: <https://bis.gov.in/>, <https://www.crsbis.in/BIS/>

Our Ref: REGISTRATION /CRS-2020-1557/R-72003379

Dated: 2024-05-03
14:21:22

RENEWAL ID : 25743

Subject : RENEWAL OF LICENCE R-72003379 AS PER IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004

Raajratna Ventures Limited
RAAJRATNA VENTURES LIMITED SURVEY NO 69/2 AHMEDABAD MEHSANA HIGHWAY OPP MADHU MILL VILLAGE
CHANDARDA TAL KADI DIST MEHSANA
GUJARAT, India, 382715



Dear Sir/Madam,

With reference to your online application dated 03-05-2024 for renewal of the above mentioned licence; this is to inform you that the same has been renewed from **02-07-2024** to **01-07-2026**.

It may be noted that the said licence granted under clause (b) of sub section (2) of section 13 of the Act shall *expire* at the end of the period for which it is granted unless renewed or its renewal is deferred. You are, therefore, requested to apply for next renewal to BIS within three months before the expiration of the licence.

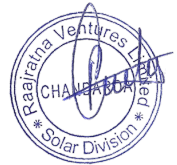
Thanking you.

Yours faithfully,

Registration Department
Bureau of Indian Standards,
9, Bahadur Shah Zafar Marg,
New Delhi-110002.
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.





भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution,
Govt. of India)

मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002

दूरभाष / Phone: +91-11-23230856/2323010131/23233375/23239402

ई-मेल / E-mail: registration@bis.gov.in

वेबसाइट / Website: <https://bis.gov.in/>, <https://www.crsbis.in/BIS/>

Our Ref: REGISTRATION/CRS 2020-1557/R-72003379

Date: 30-09-2022

Inclusion Id: 60398

Subject : Inclusion of Additional Model(s)

MANUFACTURING UNIT :	Raajratna Ventures Limited RAAJRATNA VENTURES LIMITED SURVEY NO 69/2 AHMEDABAD MEHSANA HIGHWAY OPP MADHU MILL VILLAGE CHANDARDA TAL KADI DIST MEHSANA GUJARAT, India-382715 pritesh@raajsolar.com 7567993166	
----------------------	---	--

Dear Sir,

1. This has reference to your request for inclusion of models of "CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)" as per IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004 in Licence No. R-72003379 already granted to you which is valid upto 01-07-2024.

2. It is intimated that the additional Models as per details given below have been agreed to be included in your scope of Licence. **R-72003379 w.e.f. 30-09-2022:**

Product Category	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES
IS No.	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004
Brand (As Declared by Manufacturer):	RAAJ
Inclusion of Additional Models (w.e.f. 30-09-2022)	R245M72, R250M72, R255M72, R260M72, R265M72, R270M72, R275M72, R330M96, R335M96, R340M96, R345M96, R350M96, R355M96, R360M96, R365M96, R375M108, R380M108, R385M108, R390M108, R395M108, R400M108, R405M108, R410M108, R415M108, R420M120, R425M120, R430M120, R435M120, R440M120, R445M120, R450M120, R455M120, R460M120, R465M132, R470M132, R475M132, R480M132, R485M132, R490M132, R495M132, R500M132, R505M132, R510M132, R515M132, R520M132, R525M132, R530M132, R535M132, R540M132, R545M132, R550M132
Factory Address	RAAJRATNA VENTURES LIMITED SURVEY NO 69/2 AHMEDABAD MEHSANA HIGHWAY OPP MADHU MILL VILLAGE CHANDARDA TAL KADI DIST MEHSANA GUJARAT, India-382715

3. Other terms and conditions of the licence shall remain same.

4. This letter is being issued with the approval of competent authority.

Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Avik Datta)
Scientist-C
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in



Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.