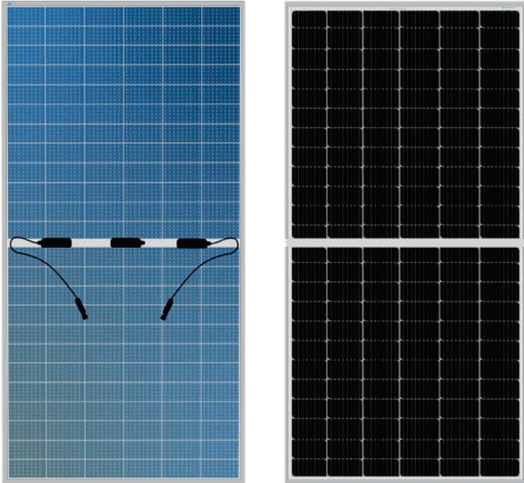


# R585T/R590T/R595T/R600T

## Bi-Facial TOPCON



**23.22%**  
MAXIMUM EFFICIENCY



### Raaj Solar

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 & TOPCON PV Modules ranging from 530Wp to 620Wp as per MNRE approved guidelines.

Assembled with high efficiency multi busbar PERC cells, half cell module configuration offer the Advantages of higher Power output, Perform Better in low light & temperature dependent performance, Lower risk of hot spot with accentuated tolerance for mechanical loading.

### Certification



Solar Division



Superior Manufacturing Technology Design



In House Quality Checks



High Performance under low light condition



Anti Reflective Coated Glass



16 BB Cell



PID Resistance



Positive Power Tolerance



Test Performs : IR, Hipot & Ground Mounted



PAN India Presence



Sales & Service Support

## Electrical Characteristics

	R585T	R590T	R595T	R600T
Maximum Power at STC (Pmax)	44.44	44.56	44.66	44.78
Optimum Operating Voltage (Vmp)	13.18	13.25	13.33	13.40
Optimum Operating Current (Imp)	51.72	51.78	51.90	52.04
Open Circuit Voltage (Voc)	13.76	13.79	13.86	13.91
Module Efficiency (%)	22.64	22.83	23.02	23.22
Cell Type & No. of Cells	TOPCON 144 Half cut (72X2)			

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

## Mechanical Characteristics

Glass	3.2 mm Thickness, Tempered glass
Frame	Anodized aluminium alloy
Junction Box	3 Nos. splits, IP 68 rated
Output Cables & Connectors	400 mm with MC4 connectors
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC
Maximum Series Fuse Rating	30 A
Power Tolerance	0 ~ to +5 W
Packing	28 pieces/pallet
Mechanical Load	5400 Pa for snow load & 2400 Pa wind load
Module size	2279 x 1134 x 35 mm
Module weight	28.6 Kg

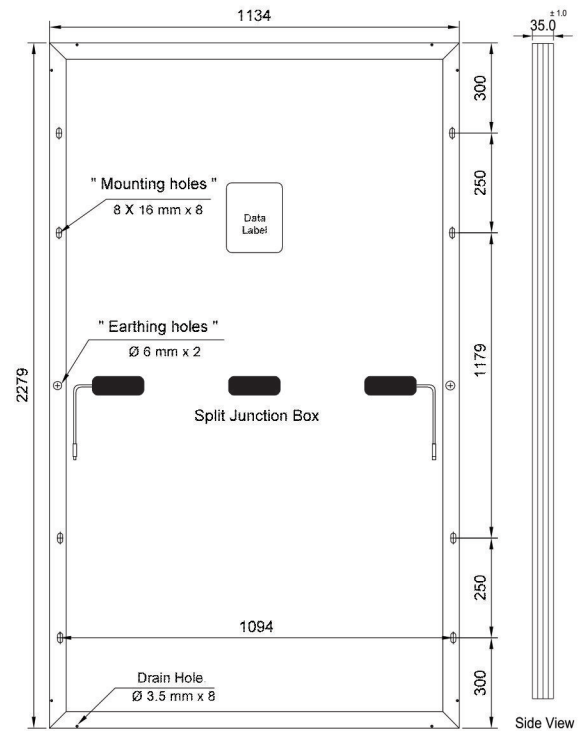
## Mono Temperature Characteristics

Temperature Coefficient of Pmax	-0.31%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.04%/°C

## Reliable Quality

- High Energy Yield on field performance
- Anti - reflective surface to reduce power loss
- 100% EL inspection ensure modules are defect free
- Application class C, Safety Class II
- ISO 9001:2015, ISO14001:2015, ISO 45001:2018 Certified
- BIS/IS 14286 : 2010 / IEC 61215 : 2005
- IS/IEC 61730 (Part I) : 2004 & IS/IEC 61730 (Part II) : 2004
- UL Certified IEC 61701 & IEC 61853-1

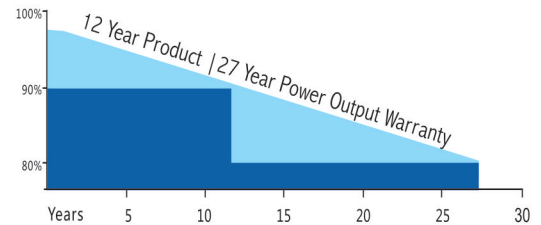
## Bi-Facial TOPCON



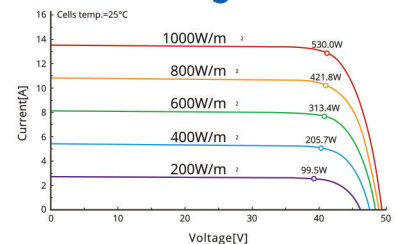
## Superior Warranty

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

## Linear Performance



## Current Voltage Curve



  
**Raajratna** Ventures Ltd.

AN ISO 9001:2015 Certified Company

**Manufacturer & Exporter of Solar PV Modules**

**OFFICE :**  
 1402, 14th Floor, Phoenix, Near Honest Restaurant, Vijay Cross Roads to Commerce Six Roads,  
 Navrangpura, Ahmedabad - 380009, Gujarat, India ☎ +91-79-2756 1915/16/17/18

**WORKS :**  
 Survey No. 69/2, Village : Chandarda, Opp. Madhu Textile, Ahmedabad-Mehsana Highway, Taluka : Kadi, Dist. : Mehsana, Gujarat, India

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📍 PAN INDIA AVAILABILITY

