

DESERV[®] EXTREME 132X
615 WP - 635 WP



OUTPUT
Up to 635 Wp



EFFICIENCY
UP TO 23.54%



TEMPERATURE
COEFFICIENT -0.29 %/°C



WARRANTY
12-year of product
30-year of power output

*Module image for representation purpose only **DESERV[®]**

World-class products, Made in India

- **Smart:** High module efficiency with 132X G12R half-cut Mono crystalline Bi-facial TopCon Solar Cell
- **Modern:** Processed on state-of-the-art technology production lines
- **Dependable** Use of highest quality raw materials coupled with rigorous in-house testing
- **Versatile** Suitable for Utility, Rooftop, and other general applications

Certifications:

- IEC Compliant
- EMS - ISO 14001: 2015
- IMS Certified Company - ISO 9001: 2015
- Independently audited by SOLARBUYER
- OHSAS 45001: 2018



RenewSys is the first integrated manufacturer of Solar PV Modules and its key components - Encapsulants (EVA and POE), Backsheets and Solar PV Cells. We have a global presence with offices in India, Mauritius, Nigeria, South Africa, Singapore, UAE, representatives in Europe, USA, Mexico, and an evolving distributor network.

Registered Office: Unit No. 607, 6th Floor, Trade Center, Bandra-Kurla Complex, Bandra East, Mumbai - 400 051, Maharashtra, India.

Factory: Plot No. E-141, Additional Patalganga MIDC Industrial Area, Village - Karade Khurd, Taluka Panvel, District Raigad - 410 206, Maharashtra, India.

Factory: Plot No.6, Survey # 114/P, Srinagar Village, Maheshwaram Mandal, Dist - Rangareddy, Hyderabad - 501 359, Telangana, India.

Performance under standard test conditions (1000w/m², AM 1.5, 25 °C)

DESERV Extreme 132 Bi-Facial Gain @Different Albedo (%)							
	Pm (Wp)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Efficiency (%)	
Front @STC	615	39.91	15.43	47.50	16.23	22.80	
Bi-Facial Gain	5%	645.75	39.91	16.18	47.50	16.98	23.94
	10%	676.5	39.91	16.95	47.50	17.75	25.08
	20%	738	39.91	18.49	47.50	19.29	27.36

Front @STC	625	40.15	15.59	47.77	16.41	23.17	
Bi-Facial Gain	5%	656.25	40.15	16.34	47.77	17.16	24.33
	10%	687.5	40.15	17.12	47.77	17.94	25.48
	20%	750	40.15	18.68	47.77	19.50	27.80

Front @STC	635	40.45	15.71	48.05	16.51	23.54	
Bi-Facial Gain	5%	666.75	40.45	16.48	48.05	17.28	24.72
	10%	698.5	40.45	17.27	48.05	18.07	25.89
	20%	762	40.45	18.84	48.05	19.64	28.25

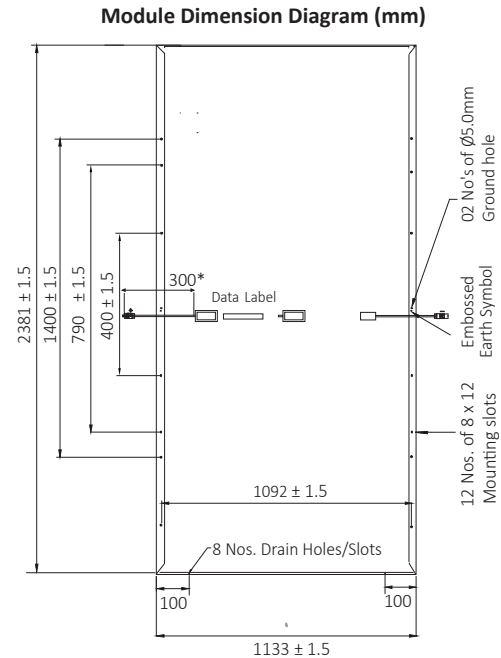
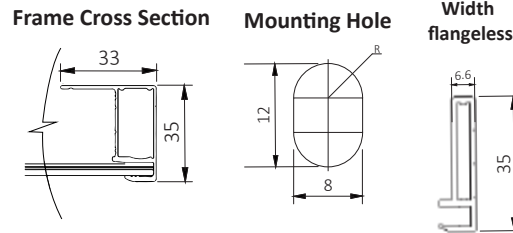
NOCT (Wp) at 45 ± 2 °C @800 W/m ²	615	620	625	630	635
Pmax (W)	457.70	461.42	465.14	468.87	472.59
Max. power voltage (Vmp), V	36.50	36.60	36.72	36.86	36.99
Max. power current (Imp), A	12.56	12.62	12.69	12.74	12.79
Open circuit voltage (Voc), V	44.16	44.29	44.42	44.55	44.68
Short circuit current (Isc), A	13.26	13.33	13.40	13.45	13.49

Bi-faciality factor: 80 ± 5%

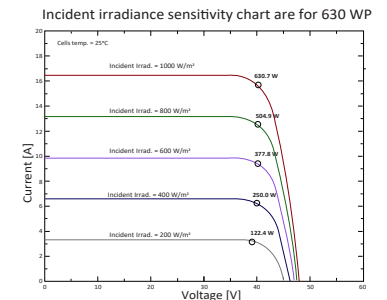
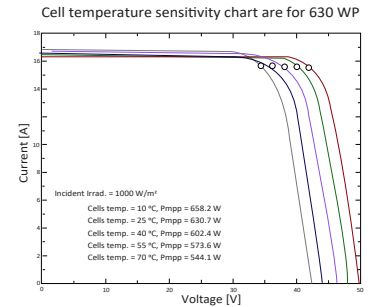
Mechanical Characteristics	
Cable	No. 12 AWG, 4mm ² , (300mm Standard)
PV Connectors	MC4 Compatible
Frame	Anodized Aluminum Alloy
Junction box	IP68 Split junction box with 3 bypass diodes
Glass (front)	2.0mm AR Coated Semi Tempered Glass
Glass (back)	2.0mm Semi Tempered Glass

Operating Conditions	
Temperature, °C	-40 to +85
Max. system voltage, Vdc	1500
Hail impact velocity, m/sec	23
Max. surface load capacity, Pa	5400
Max. wind speed capacity, Pa	2400
Series fuse rating, A	30

Physical Parameters	
No. of cells	132
Module dimension (mm)	2381 X 1133 (± 2)
Module thickness (mm)	35
Approximate weight (kg)	33.4



IV Curves



Test uncertainty for Pmax ± 3%
Bi-facial gain subject to mounting structure specifications and albedo % of ground

- Please refer to the installation manual for detailed information.

*Due to continuous product updation, specifications may change without notice. Kindly refer to the website for latest information: www.renewsysworld.com

Recycle Responsibly/RenewSys recommends recycling in accordance with local government e-waste notifications.

*Standard frame : Width side frame cross section is flange less, Flange is available on request.