



DESERV[®] EXTREME 132X 600 WP - 625 WP



OUTPUT
Up to 625 Wp



EFFICIENCY
UP TO 23.17%



TEMPERATURE
COEFFICIENT -0.29 %/°C



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

*Module image for representation purpose only



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, Maharashtra - 410 206, India.

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

Factory: B300 & B400, Indospace Industrial and
Logistics Park, Khopoli II, Village Ajivali, Taluka Khalapur,
District Raigad, Maharashtra- 410 203, 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 (%)	Pm (Wp)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Efficiency (%)
Front @STC	600	39.58	15.18	47.08	15.98	22.24	605	36.69	15.27	47.22	16.06	22.43
Bi-Facial Gain 5%	630	39.58	15.92	47.08	16.72	23.35	635.25	36.69	16.01	47.22	16.80	23.55
10%	660	39.58	16.68	47.08	17.48	24.47	665.5	36.69	16.77	47.22	17.56	24.67
20%	720	39.58	18.19	47.08	18.99	26.69	726	36.69	18.29	47.22	19.08	26.91

Front @STC	610	39.80	15.35	47.36	16.15	22.61	615	39.91	15.43	47.50	16.23	22.80
Bi-Facial Gain 5%	640.5	39.80	16.09	47.36	16.89	23.74	645.75	39.91	16.18	47.50	16.98	23.94
10%	671	39.80	16.86	47.36	17.66	24.87	676.5	39.91	16.95	47.50	17.75	25.08
20%	732	39.80	18.39	47.36	19.19	27.13	738	39.91	18.49	47.50	19.29	27.36

Front @STC	620	40.02	15.51	47.63	16.32	22.98	625	40.15	15.59	47.77	16.41	23.17
Bi-Facial Gain 5%	651	40.02	16.27	47.63	17.08	24.13	656.25	40.15	16.34	47.77	17.16	24.33
10%	682	40.02	17.04	47.63	17.85	25.08	687.5	40.15	17.12	47.77	17.94	25.48
20%	744	40.02	18.59	47.63	19.40	27.58	750	40.15	18.68	47.77	19.50	27.80

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

Cell Temperature Coefficient	Bi-Facial
Open circuit voltage	-0.26 % / °C
Short circuit current	0.045 % / °C
Peak power	-0.30 % / °C

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

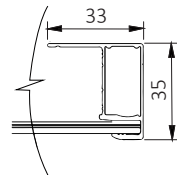
Recycle Responsibility/RenewSys recommends recycling in accordance with local government e-waste notifications.

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

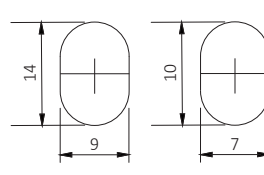
Grid printed modules also available(grid is on rear glass)

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

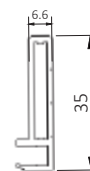
Frame Cross Section



Mounting Hole



Width flangeless



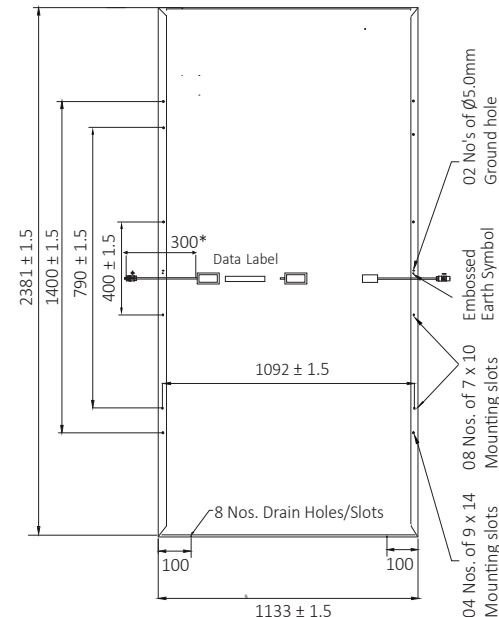
NOCT (Wp) at 45 ± 2 °C @800 W/m ²	600	605	610	615	620	625
Pmax (W)	446.54	450.26	453.98	457.70	461.42	465.14
Max. power voltage (Vmp), V	36.20	36.30	36.40	36.50	36.60	36.72
Max. power current (Imp), A	12.36	12.43	12.49	12.56	12.62	12.69
Open circuit voltage (Voc), V	43.78	43.91	44.04	44.16	44.29	44.42
Short circuit current (Isc), A	13.05	13.12	13.19	13.26	13.33	13.40

Bi-faciality factor: 80 ± 5%, Bifaciality factor for grid printed: 75+,-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

Module Dimension Diagram (mm)



IV curves

