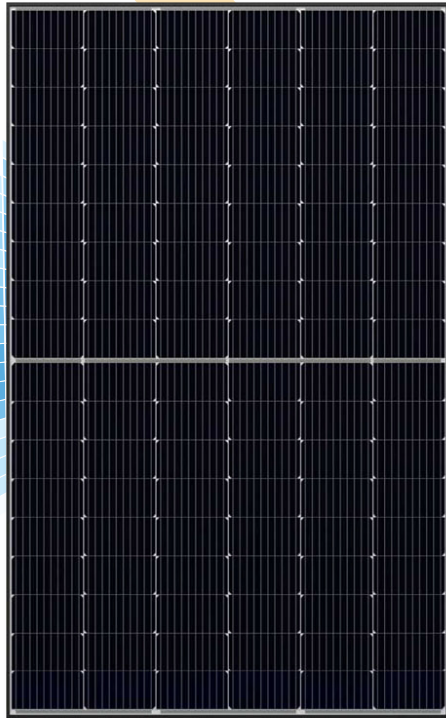


◀ BIFACIAL DUAL GLASS ▶



DESERV® EXTREME 108 385 WP - 415 WP



*Module image for representation purpose only



SAFE

- IP68 Junction box
- 10 YEARS 10 years of product warranty
- 25 YEARS 25 Years of power output warranty
- 1500 Vdc



RELIABLE

- Extreme weather resilience
- Windspeed - 2400 Pa, Snowload - 5400 Pa
- Highly reliable anti-reflective coated glass



HIGH PERFORMANCE

- PID resistant
- Superlative performance in low light
- High power density
- Positive power tolerance

World-class products, Made in India

- Smart:** High module efficiency with 108X half-cut Mono crystalline Bi-facial PERC Solar Cells
- 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
- IMS Certified Company - ISO 9001: 2015
- OHSAS 45001: 2018
- EMS - ISO 14001: 2015
- Independently audited by SOLARBUYER



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.

DESERV Extreme 108 Bi-Facial Gain @Different Albedo (%)												Physical Parameters										
	Pm (Wp)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Efficiency (%)	Pm (Wp)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Efficiency (%)	Pm (Wp)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Efficiency (%)	No. of cells	Module dimension (mm)	Module thickness (mm)	Approximate weight (kg)
Front @STC	385	31.41	12.27	37.04	12.9	19.65	390	31.65	12.34	37.08	13.07	19.91	395	31.82	12.43	37.23	13.16	20.16	108	1729 X 1133 (± 2)	35	24
5%	404.25	31.41	12.87	37.04	13.50	20.64	409.5	31.65	12.94	37.08	13.67	20.90	414.75	31.82	13.03	37.23	13.76	21.17				
10%	423.5	31.41	13.48	37.04	14.11	21.62	429	31.65	13.55	37.08	14.28	21.90	434.5	31.82	13.65	37.23	14.38	22.18				
20%	462	31.41	14.71	37.04	15.34	23.58	468	31.65	14.79	37.08	15.52	23.89	474	31.82	14.90	37.23	15.63	24.20				
Front @STC	400	31.96	12.54	37.44	13.2	20.42	405	32.08	12.65	37.67	13.3	20.67	NOCT (Wp) at 45 ± 2 °C @800 W/m²									
5%	420	31.96	13.14	37.44	13.80	21.44	425.25	32.08	13.26	37.67	13.91	21.71	Pmax (W)	286.53	290.25	293.97	297.69	301.41	305.13	308.86		
10%	440	31.96	13.77	37.44	14.43	22.46	445.5	32.08	13.89	37.67	14.54	22.74	Max. power voltage (Vmp), V	28.73	28.95	29.10	29.23	29.34	29.45	29.60		
20%	480	31.96	15.02	37.44	15.68	24.50	486	32.08	15.15	37.67	15.80	24.81	Max. power current (Imp), A	9.99	10.04	10.12	10.21	10.30	10.37	10.44		
Front @STC	410	32.2	12.74	37.9	13.37	20.93	415	32.36	12.83	38.14	13.47	21.18	Open circuit voltage (Voc), V	34.44	34.48	34.62	34.81	35.02	35.23	35.47		
5%	430.5	32.2	13.37	37.9	14.00	21.98	435.75	32.36	13.47	38.14	14.11	22.24	Short circuit current (Isc), A	10.54	10.68	10.75	10.78	10.87	10.92	11.00		
10%	451	32.2	14.01	37.9	14.64	23.02	456.5	32.36	14.11	38.14	14.75	23.30	Bi-faciality factor: 70 ± 5%									
20%	492	32.2	15.28	37.9	15.91	25.12	498	32.36	15.39	38.14	16.03	25.42										

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

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)	2.0 mm AR coated low iron heat strengthened
Glass (back)	2.0 mm Low iron heat strengthened

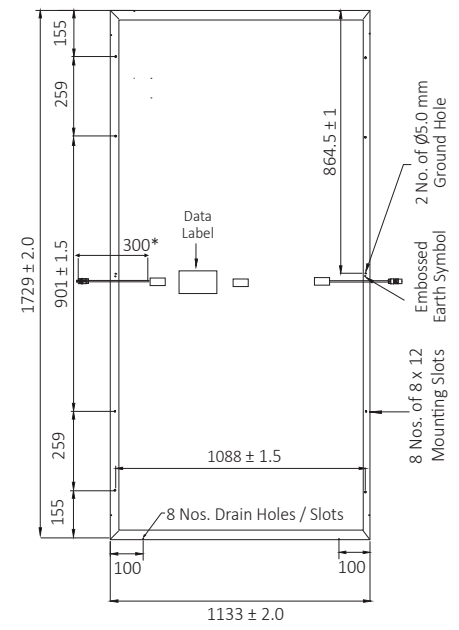
Cell Temperature Coefficient	Bi-Facial
Open circuit voltage	-0.2588 % / °C
Short circuit current	+0.0733 % / °C
Peak power	-0.3287 % / °C

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

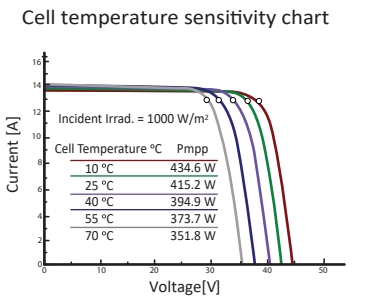
- Please refer to the installation manual for detailed information.

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

Module Dimension Diagram (mm)



IV Curves



Incident irradiance sensitivity chart

