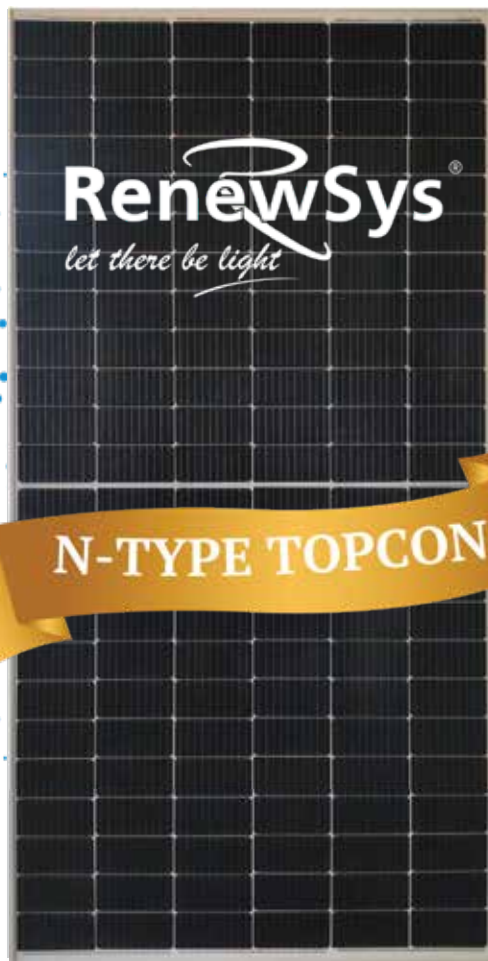




DESERV[®] EXTREME 120X 545 WP - 570 WP



OUTPUT
Up to 570 Wp



EFFICIENCY
UP TO 21.13%



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 120X 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 120 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	545	38.00	14.38	45.61	15.28	20.20	550	38.15	14.44	45.75	15.33	20.39
Bi-Facial Gain 5%	572.25	38.00	15.06	45.61	15.96	21.21	577.5	38.15	15.14	45.75	16.03	21.41
10%	599.5	38.00	15.78	45.61	16.68	22.22	605	38.15	15.86	45.75	16.75	22.43
20%	654	38.00	17.21	45.61	18.11	24.24	760	38.15	17.30	45.75	18.19	24.47

Front @STC	555	38.30	14.51	45.88	15.39	20.57	560	38.48	14.58	46.02	15.44	20.76
Bi-Facial Gain 5%	582.75	38.30	15.22	45.88	16.09	21.60	588	38.48	15.28	46.02	16.15	21.80
10%	610.5	38.30	15.94	45.88	16.81	22.63	616	38.48	16.01	46.02	16.87	22.83
20%	666	38.30	17.39	45.88	18.26	24.69	672	38.48	17.46	46.02	18.33	24.91

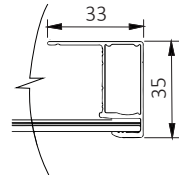
Front @STC	565	38.63	14.64	46.16	15.50	20.94	570	38.85	14.71	46.30	15.55	21.13
Bi-Facial Gain 5%	593.25	38.63	15.36	46.16	16.21	21.99	598.5	38.85	15.41	46.30	16.25	22.19
10%	621.5	38.63	16.09	46.16	16.94	23.04	627	38.85	16.14	46.30	16.98	23.24
20%	678	38.63	17.55	46.16	18.41	25.13	684	38.85	17.61	46.30	18.45	25.36

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

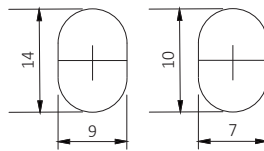
Cell Temperature Coefficient	Bi-Facial
Open circuit voltage	-0.26 % / °C
Short circuit current	0.045 % / °C
Peak power	-0.30 % / °C

Physical Parameters	
No. of cells	120
Module dimension (mm)	2170 X 1133 (± 2)
Module thickness (mm)	35
Approximate weight (kg)	28

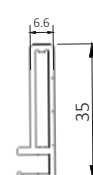
Frame Cross Section



Mounting Hole



Width flangeless



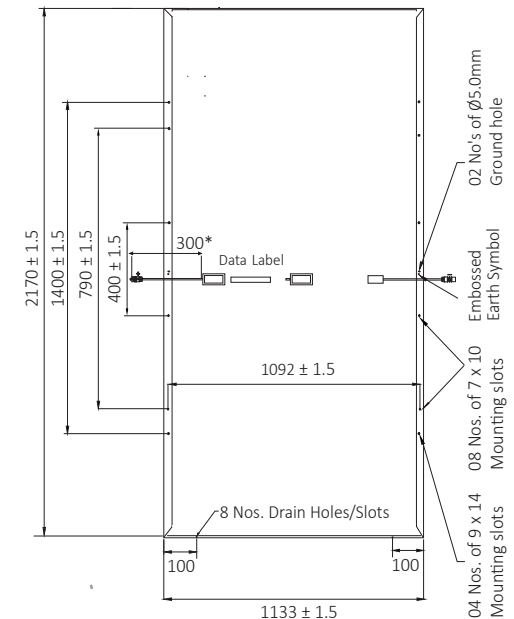
NOCT (Wp) at 45 ± 2 °C @800 W/m ²	545	550	555	560	565	570
Pmax (W)	405.61	409.33	413.05	416.77	420.49	424.21
Max. power voltage (Vmp), V	34.75	34.89	35.03	35.19	35.33	35.53
Max. power current (Imp), A	11.70	11.75	11.81	11.86	11.92	11.97
Open circuit voltage (Voc), V	42.41	42.54	42.66	42.79	42.92	43.05
Short circuit current (Isc), A	12.48	12.53	12.57	12.61	12.66	12.70

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)



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)