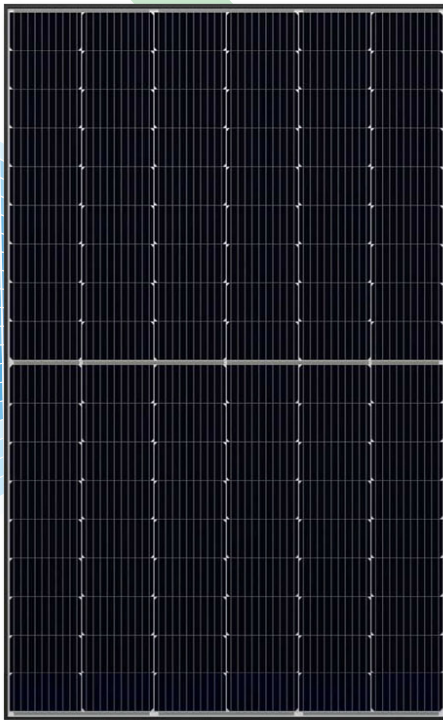


◀ MONOFACIAL ▶



# DESERV® SGALACTIC 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 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.

Performance under standard test conditions (1000w/m<sup>2</sup>, AM 1.5, 25 °C)

DESERV SGalactic 108	385	390	395	400	405	410	415
Rated power (Pmax), Wp	385	390	395	400	405	410	415
Max. power voltage (Vmp), V	31.41	31.65	31.82	31.96	32.08	32.2	32.36
Max. power current (Imp), A	12.27	12.34	12.43	12.54	12.65	12.74	12.83
Open circuit voltage (Voc), V	37.04	37.08	37.23	37.44	37.67	37.9	38.14
Short circuit current (Isc), A	12.9	13.07	13.16	13.2	13.3	13.37	13.47
Module efficiency (%)	19.58	19.84	20.09	20.35	20.60	20.86	21.11

Test uncertainty for Pmax ± 3%

NOCT (Wp) at 45 ± 2 °C @800 W/m <sup>2</sup>	385	390	395	400	405	410	415
Pmax (W)	286.53	290.25	293.97	297.69	301.41	305.13	308.86
Max. power voltage (Vmp), V	28.73	28.95	29.10	29.23	29.34	29.45	29.60
Max. power current (Imp), A	9.99	10.04	10.12	10.21	10.30	10.37	10.44
Open circuit voltage (Voc), V	34.44	34.48	34.62	34.81	35.02	35.23	35.47
Short circuit current (Isc), A	10.54	10.68	10.75	10.78	10.87	10.92	11.00

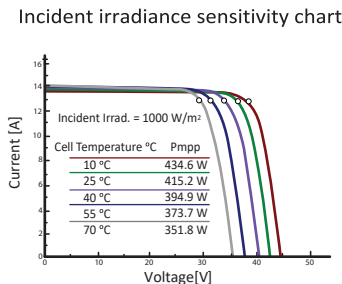
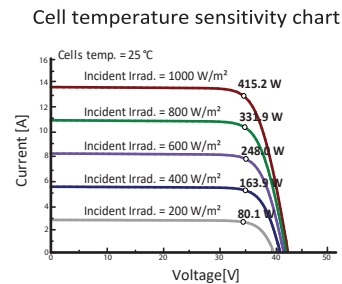
Mechanical Characteristics	
Cable	No. 12 AWG, 4mm <sup>2</sup> , (300mm Standard)
PV Connectors	MC4 Compatible
Frame	Anodized Aluminum Alloy
Junction box	IP68 Split junction box with 3 bypass diodes
Glass	3.2mm Thick low iron tempered

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	25

Physical Parameters	
No. of cells	108
Module dimension (mm)	1729 X 1137 (± 2)
Module thickness (mm)	35
Approximate weight (kg)	21.7

Cell Temperature Coefficient	Mono PERC
Open circuit voltage	-0.2597 % / °C
Short circuit current	+0.0734 % / °C
Peak power	-0.328 % / °C

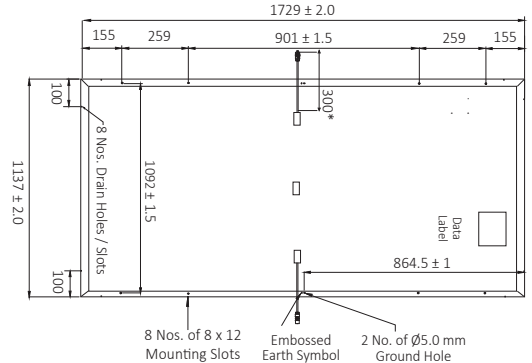
IV Curves



Frame Cross Section



Module Dimension Diagram (mm)



- 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](http://www.renewsysworld.com)