

Multi Mono **Specialised**



\*Module images for representation purpose only

## Solar PV Module DESERV SGalactic

**SGalactic 144 Cells (Mono PERC) : 395 Wp - 410 Wp**  
**Series G1**

The ideal PV Module for all applications that use the highest quality of PV Cells, in-house Encapsulants, and Backsheets.

**SGalactic** is designed with high efficiency half-cut Mono Crystalline Silicon Cells.



### SAFE

-  IP67 Junction box
-  10 years of product warranty
-  25 Years of limited power output warranty
-  1500 Vdc Certified (1000 Vdc Compatible)



### RELIABLE

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



### HIGH PERFORMANCE

-  PID resistant
-  Low light performance
-  High power density
-  Positive power tolerance

### Ideal for:



Residential



Commercial



Utility



Off-grid

### Certifications:

- IEC Certified: 61215, 61730
- IEC TS 62804
- IEC : 61701
- IEC : 62716
- Independently audited by SOLARBUYER
- IMS Certified Company - ISO 9001: 2015 & OHSAS 45001: 2018
- EMS - ISO 14001: 2015
- BIS Number R - 63000760



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, China, representatives in Europe, USA, Mexico, and an evolving distributor network.

### Corporate Office

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

### Factory

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

- Please refer to the installation manual for detailed information.

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

DESERV SGalactic (Wp)	395	400	405	410
Rated power (Pmax), Wp	395	400	405	410
Max. power voltage (Vmp), V	40.24	40.54	40.66	40.75
Max. power current (Imp), A	09.82	09.88	09.97	10.07
Open circuit voltage (Voc), V	48.45	48.57	48.75	48.87
Short circuit current (Isc), A	10.27	10.33	10.41	10.52
Module efficiency (%)	19.40	19.64	19.89	20.13
NOCT (Wp) at 45 ± 2 °C @800 W/m <sup>2</sup>	395	400	405	410
Pmax (W)	293.97	297.69	301.41	305.13
Max. power voltage (Vmp), V	36.80	37.07	37.18	37.26
Max. power current (Imp), A	07.99	08.04	08.11	08.19
Open circuit voltage (Voc), V	45.05	45.16	45.32	45.44
Short circuit current (Isc), A	08.39	08.43	08.50	08.59

Mechanical Characteristics	SGalactic
Cable	No. 12 AWG, 4mm <sup>2</sup> , (1.2m Standard)
PV Connectors	MC4 Connectors / MC4 Compatible
Frame	Silver Anodized Aluminum Alloy
Junction box	IP67 Junction box with 4 rail with 3 bypass diodes
Glass	3.2mm Thick low iron tempered (4mm available on request)

Operating Conditions	SGalactic
Ambient temperature, °C	-40 to +85
Max. system voltage, Vdc	1000 or 1500
Hail impact velocity, m/sec	23
Max. surface load capacity, Pa	5400
Max. wind speed capacity, Pa	2400

Physical Parameters	SGalactic
No. of cells	144
Module dimension (mm)	2036 X 1000 (± 2)
Module thickness (mm)	40 or 35
Approximate weight (kg)	22.7 or 22.3

Cell Temperature Coefficient	SGalactic
Open circuit voltage	-0.36 % / °C
Short circuit current	+0.07 % / °C
Nominal power	-0.38 % / °C

Packaging Configuration	SGalactic
No. of Modules/pallet	27 or 29

Module Dimension Diagram (mm) SGalactic

