

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.

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



SAFE

- IP67 Junction box
- 10 YEARS: 10 years of product warranty
- 25 YEARS: 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

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/m², AM 1.5, 25 °C)

DESERV SGalactic (Wp)	395	400	405	410
Rated power (P _{max}), Wp	395	400	405	410
Max. power voltage (V _{mp}), V	40.24	40.54	40.66	40.75
Max. power current (I _{mp}), A	09.82	09.88	09.97	10.07
Open circuit voltage (V _{oc}), V	48.45	48.57	48.75	48.87
Short circuit current (I _{sc}), 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 ²	395	400	405	410
P _{max} (W)	293.97	297.69	301.41	305.13
Max. power voltage (V _{mp}), V	36.80	37.07	37.18	37.26
Max. power current (I _{mp}), A	07.99	08.04	08.11	08.19
Open circuit voltage (V _{oc}), V	45.05	45.16	45.32	45.44
Short circuit current (I _{sc}), A	08.39	08.43	08.50	08.59

Mechanical Characteristics	SGalactic
Cable	No. 12 AWG, 4mm ² , (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, V _{dc}	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

