

Multi Mono **Specialised**



*Module images for representation purpose only

Solar PV Module DESERV MGalactic and SGalactic

MGalactic 144 Cells (Multi) : 340 Wp

SGalactic 144 Cells (Mono/Mono PERC) : 355 Wp - 390 Wp

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

MGalactic is designed with high efficiency half-cut Multi Crystalline Silicon Cells.

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

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 18001: 2007
- EMS - ISO 14001: 2015
- BIS Number R - 63000760



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 Brazil, Europe, USA, Mexico, and an evolving distributor network.

Registered Office

98, Jolly Maker Chambers No.2,
225 Nariman Point,
Mumbai - 400 021,
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)

	MGalactic	355	360	SGalactic	380	385	390
DESERV C144 (Wp)	340						
Rated power (Pmax), Wp	340	355	360	380	385	390	
Max. power voltage (Vmp), V	37.65	38.75	38.96	39.40	39.66	39.9	
Max. power current (Imp), A	09.05	09.20	09.26	09.70	09.71	09.78	
Open circuit voltage (Voc), V	45.80	45.85	46.16	46.70	48.29	48.36	
Short circuit current (Isc), A	09.54	09.73	09.79	10.08	10.14	10.21	
Module efficiency (%)	17.18	17.94	18.19	19.20	19.45	19.70	
NOCT (Wp) at 45 ± 2 °C @800 W/m²	340	355	360	380	385	390	
Pmax (W)	253.03	264.20	267.92	282.80	286.53	290.25	
Max. power voltage (Vmp), V	34.43	35.43	35.63	36.03	36.27	36.49	
Max. power current (Imp), A	07.36	07.48	7.54	07.89	07.90	07.96	
Open circuit voltage (Voc), V	42.58	42.63	42.92	43.42	44.90	44.97	
Short circuit current (Isc), A	07.79	07.94	8.00	08.23	08.28	08.34	

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

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

Physical Parameters	MGalactic & SGalactic
No. of cells	144
Module dimension (mm)	1021 X 1938 (± 2)
Module thickness (mm)	40 or 35
Approximate weight (kg)	21.5 or 21.2

Cell Temperature Coefficient	340 Wp	355 Wp - 360 Wp	380 Wp - 390 Wp
Open circuit voltage	-0.308 % / °C	-0.323 % / °C	-0.28 % / °C
Short circuit current	+0.057 % / °C	+0.047 % / °C	+0.048 % / °C
Nominal power	-0.406 % / °C	-0.414 % / °C	-0.36 % / °C

Packaging Configuration	MGalactic & SGalactic
No. of Modules/pallet	26 or 29

Module Dimension Diagram (mm) MGalactic & SGalactic

