

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

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Maharashtra, India

Factory

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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						
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

