

Multi Mono **Specialised**



*Module images for representation purpose only



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
- Superlative performance in low light
- High power density
- Positive power tolerance

Ideal for:



Residential



Commercial



Utility



Off-grid

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.

Certifications:

- IEC Compliant
- IEC TS 62804
- Independently audited by SOLARBUYER
- BIS Number R - 63000760
- 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, China, representatives in Brazil, 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.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 (Wp)	MGalactic	SGalactic				
	340	355	360	380	385	390
Rated power (P _{max}), Wp	340	355	360	380	385	390
Max. power voltage (V _{mp}), V	37.65	38.75	38.96	39.40	39.66	39.9
Max. power current (I _{mp}), A	09.05	09.20	09.26	09.70	09.71	09.78
Open circuit voltage (V _{oc}), V	45.80	45.85	46.16	46.70	48.29	48.36
Short circuit current (I _{sc}), 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/m ²	340	355	360	380	385	390
P _{max} (W)	253.03	264.20	267.92	282.80	286.53	290.25
Max. power voltage (V _{mp}), V	34.43	35.43	35.63	36.03	36.27	36.49
Max. power current (I _{mp}), A	07.36	07.48	7.54	07.89	07.90	07.96
Open circuit voltage (V _{oc}), V	42.58	42.63	42.92	43.42	44.90	44.97
Short circuit current (I _{sc}), 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 Connectors / MC4 Compatible
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, V _{dc}	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	-0.30 % / °C	-0.323 % / °C	-0.28 % / °C
Short circuit current	+0.05 % / °C	+0.047 % / °C	+0.048 % / °C
Nominal power	-0.40 % / °C	-0.414 % / °C	-0.36 % / °C

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

Module Dimension Diagram (mm) MGalactic & SGalactic

