

Multi Mono **Specialised**



**DERVES**<sup>®</sup>

\*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
- Low light performance
- High power density

#### 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 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/m<sup>2</sup>, AM 1.5, 25 °C)

	MGalactic	SGalactic				
DESERV C144 (Wp)	340	355	360	380	385	390
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/m <sup>2</sup>	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	Operating Conditions	MGalactic & SGalactic	Physical Parameters	MGalactic & SGalactic
Cable	No. 12 AWG, 4mm <sup>2</sup> , (1.2m Standard)	Ambient temperature, °C	-40 to +85	No. of cells	144
PV Connectors	MC4 Compatible (MC4/TYCO on request)	Max. system voltage, Vdc	Capability 1000 and 1500	Module dimension (mm)	1021 X 1938 ( ± 2 )
Frame	Silver Anodized Aluminum Alloy	Hail impact velocity, m/sec	23	Module thickness (mm)	40 or 35
Junction box	IP67 Junction box with 4 rail/split junction box with 3 bypass diodes	Max. surface load capacity, Pa	5400	Approximate weight (kg)	21.5 or 21.2
Glass	3.2mm Thick low iron tempered (4mm available on request)	Max. wind speed capacity, Pa	2400		

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

