

DESERV[®] GALACTIC ULTRA

HI - (490 Wp - 510 Wp)



RenewSys DESERV Galactic Ultra - High Current PV module range has been engineered using 180 Half Cut Mono Crystalline PERC Cells.
Ideal for: Utility Solar Projects, Rooftop Solar Plants.

MADE IN INDIA



*Module images for representation purpose only

MORE POWER PER MODULE

- LOW LCOE
- HIGHER OUTPUT DENSITY
- LOWER OPERATIONAL TEMPERATURE
- LOWER INSTALLATION AND LAND COST
- BETTER PERFORMANCE UNDER SHADING
- MODULE SUITED FOR HIGHER STRING DENSITY



SAFE

10 years of product warranty
25 Years of limited power output warranty
1500 Vdc



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

IMS Certified Company - ISO 9001: 2015 | OHSAS 45001: 2018 | EMS - ISO 14001: 2015

Independently Audited by
SOLARBUYER

World-class products, Made in India

RenewSys is the first integrated manufacturer of Solar PV Modules (750 MW) and its key components- Encapsulants - EVA and POE (2 GW), Backsheets (3 GW) and Solar PV Cells (130 MW) with the manufacturing facilities in Hyderabad and Bengaluru.
India | Mauritius | Nigeria | South Africa | Singapore | UAE | China | Brazil | Europe | USA | Mexico

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.

Performance under standard test conditions (1000w/m², AM 1.5, 25 °C)

DESERV 180X (Wp)	490	495	500	505	510
Rated power (P _{max}), Wp	490	495	500	505	510
Max. power voltage (V _{mp}), V	33.51	33.63	33.78	33.88	33.95
Max. power current (I _{mp}), A	14.64	14.73	14.82	14.96	15.11
Open circuit voltage (V _{oc}), V	40.19	40.37	40.47	40.62	40.72
Short circuit current (I _{sc}), A	15.30	15.41	15.50	15.62	15.78
Module efficiency (%)	19.49	19.69	19.89	20.08	20.28

NOCT (Wp) at 45 ± 2 °C @800 W/m ²	490	495	500	505	510
P _{max} (W)	364.67	368.39	372.11	375.83	379.55
Max. power voltage (V _{mp}), V	30.61	30.76	30.85	30.91	31.03
Max. power current (I _{mp}), A	11.91	11.98	12.06	12.17	12.26
Open circuit voltage (V _{oc}), V	37.37	37.54	37.63	37.77	37.86
Short circuit current (I _{sc}), A	12.49	12.58	12.64	12.75	12.89

Mechanical Characteristics	
Cable	No. 12 AWG, 4mm ² , (1.2m Standard)
PV Connectors	MC4 Connectors / MC4 Compatible
Frame	Silver Anodized Aluminum Alloy
Junction box	IP68 Junction box with 4 rail/split junction box with 3 bypass diodes
Glass	3.2mm Thick low iron tempered (4mm available on request)

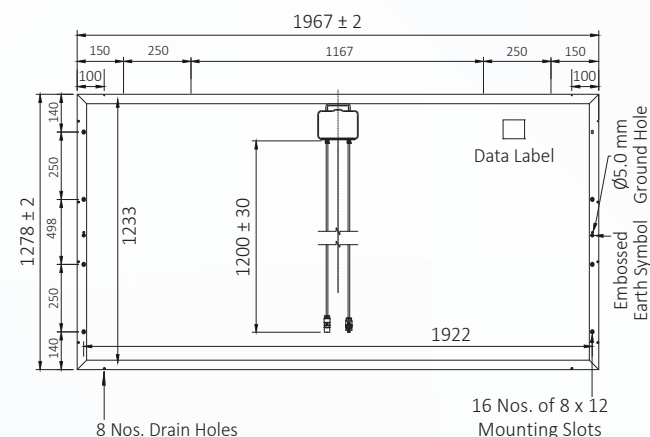
Cell Temperature Coefficient	
Open circuit voltage	-0.36 % / °C
Short circuit current	+0.07 % / °C
Nominal power	-0.38 % / °C

Packaging Configuration	
No. of Modules/pallet	29

Operating Conditions	
Ambient temperature, °C	-40 to +85
Max. system voltage, V _{dc}	1500
Hail impact velocity, m/sec	23
Max. surface load capacity, Pa	5400
Max. wind speed capacity, Pa	2400

Physical Parameters	
No. of cells	180
Module dimension (mm)	1278 X 1967 (± 2)
Module thickness (mm)	35
Approximate weight (kg)	27.5

Module Dimension Diagram (mm)



- Please refer to the installation manual for detailed information.

*Due to continuous product updation, specifications may change without notice. Kindly refer to the website for latest information: www.renewsysworld.com