

DESERV[®] GALACTIC ULTRA

HV - (490 Wp - 510 Wp)



RenewSys DESERV Galactic Ultra - High Voltage PV module range has been engineered using 180 Half Cut Mono Crystalline PERC Cells.
Ideal for: Pumping Applications.

MADE IN INDIA



*Module images for representation purpose only

MORE POWER PER MODULE

- LOW LCOE
- HIGHER OUTPUT DENSITY
- LOWER OPERATIONAL TEMPERATURE
- 10% INCREASE IN OPERATING VOLTAGE
- 60% REDUCTION IN NUMBER OF PANELS
- BETTER PERFORMANCE UNDER SHADING
- BETTER PERFORMANCE AT HIGHER TEMPERATURES



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 (Pmax), Wp	490	495	500	505	510
Max. power voltage (Vmp), V	50.23	50.40	50.68	50.83	50.94
Max. power current (Imp), A	09.76	09.83	09.88	09.97	10.07
Open circuit voltage (Voc), V	60.29	60.56	60.71	60.94	61.09
Short circuit current (Isc), A	10.20	10.27	10.33	10.41	10.52
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
Pmax (W)	364.67	368.39	372.12	375.84	379.56
Max. power voltage (Vmp), V	45.93	46.09	46.35	46.48	46.59
Max. power current (Imp), A	07.94	08.00	08.04	08.11	08.20
Open circuit voltage (Voc), V	56.06	56.31	56.45	56.66	56.80
Short circuit current (Isc), A	08.33	08.39	08.44	08.50	08.59

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)

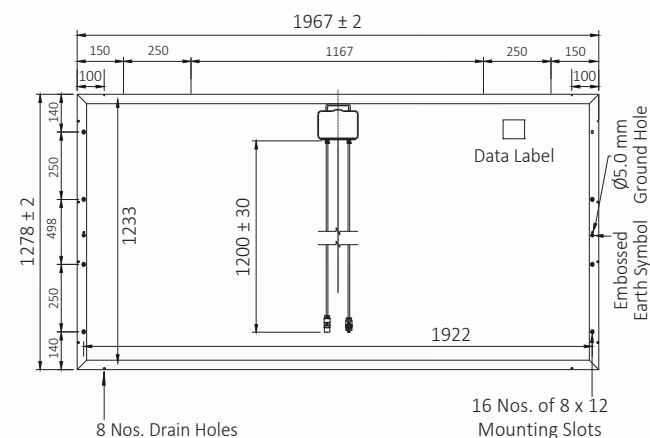
Cell Temperature Coefficient	
Open circuit voltage	-0.36 % / °C
Short circuit current	+0.07 % / °C
Nominal power	-0.38 % / °C

Packaging Configuration	
No. of Modules/pallet	29

Operating Conditions	
Ambient temperature, °C	-40 to +85
Max. system voltage, Vdc	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