

Multi Mono Specialised



\*Module images for representation purpose only

## Solar PV Module DESERV MSR, SSR, MF, SF

**MSR: 300 Wp - 330 Wp**

**SSR: 325 Wp - 370 Wp**

**MF: 300 WP - 330 WP**

**SF: 325 WP - 370 WP**





The ideal PV Module for all applications that use the highest quality of PV Cells, in-house Encapsulants, and Backsheets.

**MSR and SSR** is the series of Semi-Rigid Solar PV Modules, available in Multi Crystalline and Mono Crystalline PV Cells with 50% of the conventional weight (11 Kg.)

**MF and SF** is the series of Flexible Solar PV Modules, available in Multi Crystalline and Mono Crystalline PV Cells with 25% of the conventional weight (5 Kg.)






### SAFE

-  IP67 Junction box
-  5 years of product warranty
-  10 Years of limited power output warranty
-  1000 Vdc






### RELIABLE

-  Extreme weather resilience
-  Suitable for all roof types
-  Colour options available



### HIGH PERFORMANCE

-  PID resistant
-  Low light performance
-  High power density

### Ideal for:



Residential



Commercial



Utility



Off-grid

### Certifications:

- IEC Compliant
- Independently audited by SOLARBUYER
- IMS Certified Company - ISO 9001: 2015 & OHSAS 18001:2007
- EMS - ISO 14001: 2015



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)

|  | MSR (315 Wp - 330 Wp) | SSR (345 Wp - 370 Wp) | MF (315 Wp - 330 Wp) | SF (345 Wp - 370 Wp) |
|--|-----------------------|-----------------------|----------------------|----------------------|
| <b>DESERV C144 (Wp)</b>                            | <b>330</b>            | <b>370</b>            | <b>330</b>           | <b>370</b>           |
| Rated power (Pmax), Wp                             | 330                   | 370                   | 330                  | 370                  |
| Max. power voltage (Vmp), V                        | 37.67                 | 39.94                 | 37.67                | 39.94                |
| Max. power current (Imp), A                        | 08.77                 | 09.27                 | 08.77                | 09.27                |
| Open circuit voltage (Voc), V                      | 46.24                 | 49.12                 | 46.24                | 49.12                |
| Short circuit current (Isc), A                     | 09.26                 | 09.79                 | 09.26                | 09.79                |
| Module efficiency (%)                              | 16.66                 | 18.68                 | 16.66                | 18.68                |
| <b>NOCT (Wp) at 45 ± 2 °C @800 W/m<sup>2</sup></b> | <b>330</b>            | <b>370</b>            | <b>330</b>           | <b>370</b>           |
| Pmax (W)   | 245.60                | 275.37                | 245.60               | 275.37               |
| Max. power voltage (Vmp), V                        | 34.45                 | 36.53                 | 34.45                | 36.53                |
| Max. power current (Imp), A                        | 07.14                 | 07.55                 | 07.14                | 07.55                |
| Open circuit voltage (Voc), V                      | 43.00                 | 45.67                 | 43.00                | 45.67                |
| Short circuit current (Isc), A                     | 07.56                 | 08.00                 | 07.56                | 08.00                |

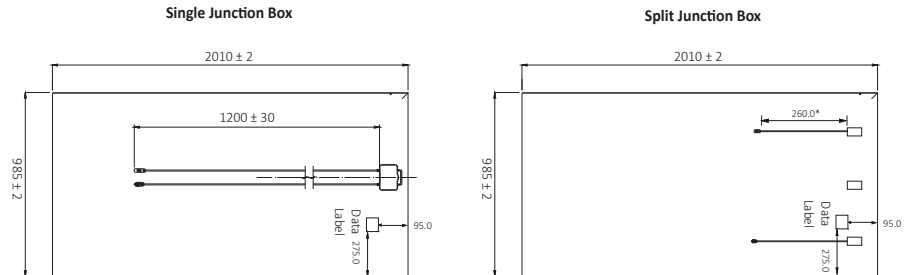
| Mechanical Characteristics | MSR, SSR, MF, SF  |
|----------------------------|---|
| Cable                      | No. 12 AWG, 4mm <sup>2</sup>  |
| PV Connectors              | MC4 Compatible (MC4/TYCO on request)                                  |
| Junction box               | IP67 Junction box with 4 rail/split junction box with 3 bypass diodes |

| Operating Conditions     | MSR, SSR, MF, SF |
|--------------------------|------------------|
| Ambient temperature, °C  | -40 to +85       |
| Max. system voltage, Vdc | 1000             |

| Cell Temperature Coefficient | MSR, SSR, MF, SF |
|------------------------------|------------------|
| Open circuit voltage         | -0.30 % / °C     |
| Short circuit current        | +0.05 % / °C     |
| Nominal power                | -0.40 % / °C     |

| Physical Parameters     | MSR, SSR          | MF, SF            |
|-------------------------|-------------------|-------------------|
| No. of cells            | 72                | 72                |
| Module dimension (mm)   | 2010 X 985 ( ± 2) | 2010 X 985 ( ± 2) |
| Module thickness (mm)   | 3.5               | 1                 |
| Approximate weight (kg) | 11                | 5                 |

Module Dimension Diagram (mm)



\*Due to continuous product updation, specifications may change without notice. Kindly refer to the website for latest information: [www.renewsysworld.com](http://www.renewsysworld.com)