

**Multi** Mono Specialised



\*Module images for representation purpose only

## Solar PV Module DESERV 3M6 or 3M6H

**60 Cells: 260 Wp - 275 Wp**

**72 Cells: 315 Wp - 335 Wp**

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

\*60 cells (250 Wp, 255 Wp), 72 cells (300 Wp, 305 Wp, 310 Wp) available on request

### Certifications:

- IEC Certified: 61215, 61730
- IEC TS 62804, 61853
- IEC 61701
- IEC 62716
- IEC 60068-2-68
- CAN/CSA: 61730
- UL Certified 1703
- DEWA Listed
- BIS Number R-63000760
- MCS Approved
- 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 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.




### SAFE



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

### Ideal for:



Residential



Commercial



Utility



Off-grid

Performance under standard test conditions (1000w/m<sup>2</sup>, AM 1.5, 25 °C)

|   | 60 Cells |        |        |        | 72 Cells |        |        |        |        |
|---|----------|--------|--------|--------|----------|--------|--------|--------|--------|
|   | 260      | 265    | 270    | 275    | 315      | 320    | 325    | 330    | 335    |
| <b>DESERV 3M6 or 3M6H (Wp)</b>                    |          |        |        |        |          |        |        |        |        |
| Rated power (P <sub>max</sub> ), Wp               | 260      | 265    | 270    | 275    | 315      | 320    | 325    | 330    | 335    |
| Max. power voltage (V <sub>mp</sub> ), V          | 30.72    | 30.77  | 30.95  | 31.16  | 36.92    | 37.20  | 37.41  | 37.67  | 37.90  |
| Max. power current (I <sub>mp</sub> ), A          | 08.48    | 08.64  | 08.74  | 08.84  | 08.56    | 08.62  | 08.70  | 08.79  | 08.85  |
| Open circuit voltage (V <sub>oc</sub> ), V        | 38.40    | 38.46  | 38.70  | 38.97  | 46.15    | 46.18  | 46.21  | 46.24  | 46.27  |
| Short circuit current (I <sub>sc</sub> ), A       | 08.83    | 09.00  | 09.13  | 09.14  | 08.92    | 09.07  | 09.19  | 09.31  | 09.41  |
| Module efficiency (%)                             | 16.00    | 16.30  | 16.61  | 16.92  | 16.25    | 16.50  | 16.76  | 17.02  | 17.28  |
| <b>NOCT (Wp) at 45 ±2 °C @800 W/m<sup>2</sup></b> |          |        |        |        |          |        |        |        |        |
| P <sub>max</sub> (W)                              | 193.50   | 197.22 | 200.94 | 204.66 | 234.43   | 238.15 | 241.87 | 245.59 | 249.31 |
| Max. power voltage (V <sub>mp</sub> ), V          | 28.09    | 28.14  | 28.30  | 28.49  | 33.76    | 34.02  | 34.21  | 34.45  | 34.66  |
| Max. power current (I <sub>mp</sub> ), A          | 06.90    | 07.03  | 07.11  | 07.19  | 06.97    | 07.01  | 07.08  | 07.15  | 07.20  |
| Open circuit voltage (V <sub>oc</sub> ), V        | 35.70    | 35.76  | 35.98  | 36.23  | 42.91    | 42.93  | 42.96  | 42.99  | 43.02  |
| Short circuit current (I <sub>sc</sub> ), A       | 07.21    | 07.35  | 07.46  | 07.47  | 07.29    | 07.41  | 07.51  | 07.60  | 07.69  |

| Mechanical Characteristics | 60 & 72   |
|----------------------------|---|
| Cable                      | No. 12 AWG, 4mm <sup>2</sup> , (1.2m Standard)              |
| PV Connectors              | MC4 Compatible (MC4/TYCO on request)                        |
| Frame                      | Anodized Aluminum Alloy                                     |
| Junction box               | IP67 Junction box with 4 rail<br>(3 bypass diodes of 15 A)  |
| Glass                      | 3.2mm Thick low iron tempered<br>(4mm available on request) |

| Operating Conditions           | 60 & 72      |
|--------------------------------|--------------|
| Ambient temperature, °C        | -40 to +85   |
| Max. system voltage, Vdc       | 1000 or 1500 |
| Hail impact velocity, m/sec    | 23           |
| Max. surface load capacity, Pa | 5400         |
| Max. wind speed capacity, Pa   | 2400         |

| Cell Temperature Coefficient | 60 & 72      |
|------------------------------|--------------|
| Open circuit voltage         | -0.30 % / °C |
| Short circuit current        | +0.05 % / °C |
| Nominal power                | -0.40 % / °C |

| Physical Parameters                  | 260 Wp - 275 Wp   | 315 Wp - 335 Wp   |
|--------------------------------------|-------------------|-------------------|
| No. of cells                         | 60                | 72                |
| Module dimension (mm)                | 1641 X 987 ( ± 2) | 1958 X 987 ( ± 2) |
| Module thickness (mm)                | 40 or 35          | 40 or 35          |
| Approximate weight (kg)              | 18 or 17.7        | 21.5 or 21.2      |
| <b>Packaging Configuration - 3M6</b> |                   |                   |
|                                      | <b>60</b>         | <b>72</b>         |
| No. of Modules/pallet                | 26 or 29          | 26 or 29          |

Module Dimension Diagrams (mm)

