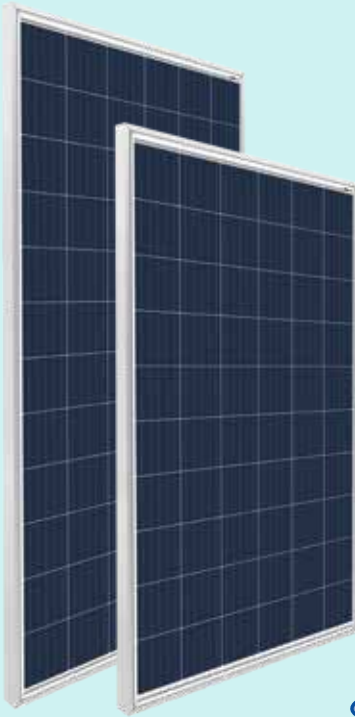


Multi Mono Specialised



*Module images for representation purpose only

Solar PV Module DESERV 3M6 or 3M6H

Series G1

60 Cells: 270 Wp - 285 Wp

72 Cells: 325 Wp - 345 Wp

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

Certifications:

- IEC Compliant
- Independently audited by SOLARBUYER
- IMS Certified Company - ISO 9001: 2015 & OHSAS 45001: 2018
- EMS - ISO 14001: 2015



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
- Superlative performance in low light
- High power density
- Positive power tolerance

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

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

Ideal for:



Residential



Commercial



Utility



Off-grid

- Please refer to the installation manual for detailed information.

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

| DESERV 3M6 or 3M6H (Wp) | 60 Cells | | | | 72 Cells | | | | |
|---|----------|--------|--------|--------|----------|--------|--------|--------|--------|
| | 270 | 275 | 280 | 285 | 325 | 330 | 335 | 340 | 345 |
| Rated power (P _{max}), Wp | 270 | 275 | 280 | 285 | 325 | 330 | 335 | 340 | 345 |
| Max. power voltage (V _{mp}), V | 30.95 | 31.16 | 31.37 | 31.58 | 37.41 | 37.67 | 37.90 | 38.14 | 38.21 |
| Max. power current (I _{mp}), A | 08.74 | 08.84 | 08.94 | 09.04 | 08.70 | 08.79 | 08.85 | 08.92 | 09.07 |
| Open circuit voltage (V _{oc}), V | 38.70 | 38.97 | 39.24 | 39.51 | 46.21 | 46.24 | 46.27 | 46.30 | 46.33 |
| Short circuit current (I _{sc}), A | 09.13 | 09.14 | 09.23 | 09.32 | 09.19 | 09.31 | 09.41 | 09.54 | 09.68 |
| Module efficiency (%) | 16.23 | 16.53 | 16.83 | 17.13 | 16.37 | 16.62 | 16.87 | 17.12 | 17.38 |
| NOCT (Wp) at 45 ±2 °C @800 W/m² | | | | | | | | | |
| P _{max} (W) | 200.94 | 204.66 | 208.38 | 212.11 | 241.88 | 245.60 | 249.32 | 253.04 | 256.76 |
| Max. power voltage (V _{mp}), V | 28.31 | 28.50 | 28.69 | 28.88 | 34.21 | 34.45 | 34.66 | 34.88 | 34.95 |
| Max. power current (I _{mp}), A | 07.11 | 7.20 | 07.28 | 07.36 | 07.08 | 07.15 | 07.20 | 07.26 | 07.38 |
| Open circuit voltage (V _{oc}), V | 35.98 | 36.24 | 36.49 | 36.74 | 42.97 | 43.00 | 43.02 | 43.05 | 43.08 |
| Short circuit current (I _{sc}), A | 07.46 | 07.47 | 07.54 | 07.62 | 07.51 | 07.61 | 07.69 | 07.79 | 07.91 |

| Mechanical Characteristics | 60 & 72 |
|----------------------------|---|
| Cable | No. 12 AWG, 4mm ² , (1.2m Standard) |
| PV Connectors | MC4 Connectors / MC4 Compatible |
| Frame | Anodized Aluminum Alloy |
| Junction box | IP67 Junction box with 4 rail (3 bypass diodes of 15 A) |
| Glass | 3.2mm Thick low iron tempered (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 | 270 Wp - 285 Wp | 325 Wp - 345 Wp |
|--------------------------------|-------------------|-------------------|
| No. of cells | 60 | 72 |
| Module dimension (mm) | 1663 X 1000 (± 2) | 1985 X 1000 (± 2) |
| Module thickness (mm) | 35 | 35 |
| Approximate weight (kg) | 18.2 | 21.8 |
| Packaging Configuration | | |
| No. of Modules/pallet | 29 | 29 |

Module Dimension Diagrams (mm)

