

**Multi** Mono Specialised



\*Module images for representation purpose only

## Solar PV Module DESERV 3M6 or 3M6H

36 Cells: 140 Wp - 155 Wp

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

### Certifications:

- IEC Compliant
- DEWA Listed
- BIS Number R-63000760
- Independently audited by SOLARBUYER
- IMS Certified Company - ISO 9001: 2015 & OHSAS 45001: 2018
- EMS - ISO 14001: 2015



### SAFE

- IP67 Junction box
- 10 YEARS 10 years of product warranty
- 25 YEARS 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/m<sup>2</sup>, AM 1.5, 25 °C)

DESERV 3M6 (Wp)	140	145	150	155
Rated power (Pmax), Wp	140	145	150	155
Max. power voltage (Vmp), V	17.55	18.10	18.44	18.75
Max. power current (Imp), A	07.99	08.04	08.16	08.28
Open circuit voltage (Voc), V	22.21	22.43	22.79	23.05
Short circuit current (Isc), A	08.50	08.55	08.68	08.81
Module efficiency (%)	13.80	14.30	14.79	15.28
<b>NOCT (Wp) at 45 ±2 °C @800 W/m<sup>2</sup></b>				
Pmax (W)	104.19	107.91	111.63	115.35
Max. power voltage (Vmp), V	16.05	16.55	16.86	17.14
Max. power current (Imp), A	06.50	06.54	06.64	06.74
Open circuit voltage (Voc), V	20.65	20.85	21.19	21.43
Short circuit current (Isc), A	06.94	06.98	07.09	07.20

Mechanical Characteristics	36 Cells
Cable	No. 12 AWG, 4mm <sup>2</sup> , (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	36 Cells
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	36 Cells
Open circuit voltage	-0.30 % / °C
Short circuit current	+0.05 % / °C
Nominal power	-0.40 % / °C

Physical Parameters	36 Cells
No. of cells	36
Module dimension (mm)	1024 X 990 (± 2)
Module thickness (mm)	40 or 35
Approximate weight (kg)	13 or 12.8

Packaging Configuration	36 Cells
No. of Modules/pallet	42 or 47

Module Dimension Diagram (mm)

