World-class products, Made in India

RenewSys®
let there be light

Multi Mono Specialised

DESERV™

*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.

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

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.

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DESERV™

Performance under standard test conditions (1000w/m², 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
NOCT (Wp) at 45 ±2 °C @800 W/m²				
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, 4mm², (1.2m Standard)
PV Connectors	MC4 Compatible (MC4/TYCO on request)
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)

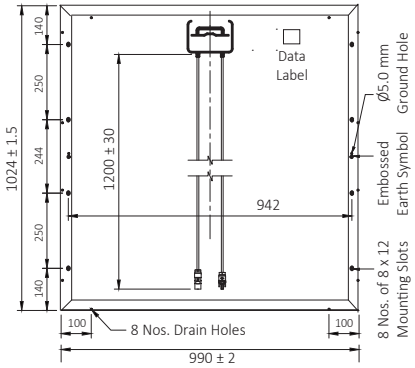
Physical Parameters	36 Cells
No. of cells	36
Module dimension (mm)	1024 X 990 (± 2)
Module thickness (mm)	40 or 35
Approximate weight (kg)	13 or 12.8

Packaging Configuration	36 Cells
No. of Modules/pallet	29

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

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