

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 Brazil, Europe, USA, Mexico, and an evolving distributor network.

Registered Office

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Factory

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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/m², AM 1.5, 25 °C)

	60 Cells				72 Cells				
	260	265	270	275	315	320	325	330	335
DESERV 3M6 or 3M6H (Wp)									
Rated power (P _{max}), Wp	260	265	270	275	315	320	325	330	335
Max. power voltage (V _{mp}), V	30.72	30.77	30.95	31.16	36.92	37.20	37.41	37.67	37.90
Max. power current (I _{mp}), A	08.48	08.64	08.74	08.84	08.56	08.62	08.70	08.79	08.85
Open circuit voltage (V _{oc}), V	38.40	38.46	38.70	38.97	46.15	46.18	46.21	46.24	46.27
Short circuit current (I _{sc}), A	08.83	09.00	09.13	09.14	08.92	09.07	09.19	09.31	09.41
Module efficiency (%)	16.05	16.36	16.67	16.97	16.29	16.55	16.81	17.07	17.33
NOCT (Wp) at 45 ±2 °C @800 W/m²									
P _{max} (W)	193.50	197.22	200.94	204.66	234.43	238.15	241.87	245.59	249.31
Max. power voltage (V _{mp}), V	28.09	28.14	28.30	28.49	33.76	34.02	34.21	34.45	34.66
Max. power current (I _{mp}), A	06.90	07.03	07.11	07.19	06.97	07.01	07.08	07.15	07.20
Open circuit voltage (V _{oc}), V	35.70	35.76	35.98	36.23	42.91	42.93	42.96	42.99	43.02
Short circuit current (I _{sc}), 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 ² , (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)

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
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
Packaging Configuration - 3M6		
	60	72
No. of Modules/pallet	26 or 29	26 or 29

Module Dimension Diagrams (mm)

