

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 - 340 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 61215:2016 (3M6H) (265-275 Wp, 320-340 Wp)
- IEC 61730:2016 (3M6H) (265-275 Wp, 320-340 Wp)
- IEC TS 62804
- IEC 61853 - 1
- IEC 61701
- IEC 62716
- IEC 60068-2-68
- IEC 61853 - 2: (3M6H 335 Wp)
- UL 61730 Certified
- DEWA Listed
- BIS Number R-63000760
- Independently audited by SOLARBUYER
- IMS Certified Company - ISO 9001: 2015 & OHSAS 45001: 2018
- 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
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

- Please refer to the installation manual for detailed information.

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

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	340
DESERV 3M6 or 3M6H (Wp)										
Rated power (P _{max}), Wp	260	265	270	275	315	320	325	330	335	340
Max. power voltage (V _{mp}), V	30.72	30.77	30.95	31.16	36.92	37.20	37.41	37.67	37.90	38.14
Max. power current (I _{mp}), A	08.48	08.64	08.74	08.84	08.56	08.62	08.70	08.79	08.85	08.92
Open circuit voltage (V _{oc}), V	38.40	38.46	38.70	38.97	46.15	46.18	46.21	46.24	46.27	46.30
Short circuit current (I _{sc}), A	08.83	09.00	09.13	09.14	08.92	09.07	09.19	09.31	09.41	09.54
Module efficiency (%)	16.05	16.36	16.67	16.97	16.29	16.55	16.81	17.07	17.33	17.59
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	253.03
Max. power voltage (V _{mp}), V	28.09	28.14	28.30	28.49	33.76	34.02	34.21	34.45	34.66	34.88
Max. power current (I _{mp}), A	06.90	07.03	07.11	07.19	06.97	07.01	07.08	07.15	07.20	07.26
Open circuit voltage (V _{oc}), V	35.70	35.76	35.98	36.23	42.91	42.93	42.96	42.99	43.02	43.05
Short circuit current (I _{sc}), A	07.21	07.35	07.46	07.47	07.29	07.41	07.51	07.60	07.69	07.79

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	260 Wp - 275 Wp	315 Wp - 340 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	27 or 29	27 or 29

Module Dimension Diagrams (mm)

