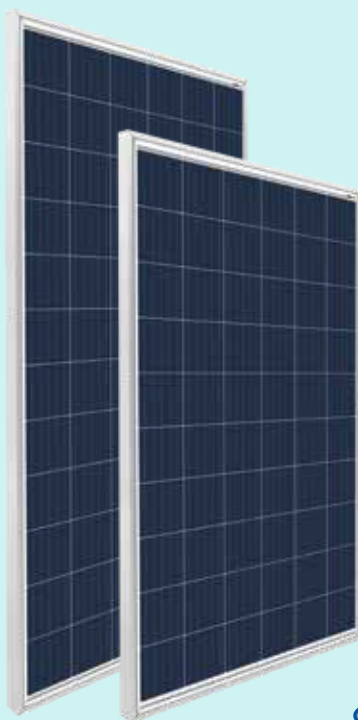


Multi Mono Specialised



*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



Independently Audited by
SOLARBUYER



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



Positive power tolerance

Ideal for:



Residential



Commercial



Utility



Off-grid

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.

Corporate 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.

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, V _{dc}	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)

