

Multi

Mono

Specialised



DESERV[®]

*Module images for representation purpose only

Solar PV Module
DESERV 3S6 or 3S6H
Mono / Mono PERC

Series M2

60 Cells: 285 Wp - 310 Wp

72 Cells: 345 Wp - 400 Wp

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

Certifications:

- IEC TS 62804
- IEC 61853 - 1 (3S6 350 Wp)
- BIS Number R-63000760
- Independently audited by SOLARBUYER
- IMS Certified Company - ISO 9001: 2015 & OHSAS 18001:2007
- EMS - ISO 14001: 2015



Independently Audited by
SOLARBUYER

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.



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

Performance under standard test conditions (1000w/m², AM 1.5, 25 °C)

DESERV 3S6 or 3S6H (Wp)	60 Cells						72 Cells											
	285	290	295	300	305	310	345	350	355	360	365	370	375	380	385	390	395	400
Rated power (P _{max}), Wp	285	290	295	300	305	310	345	350	355	360	365	370	375	380	385	390	395	400
Max. power voltage (V _{mp}), V	32.80	32.85	33.05	33.40	33.67	33.97	38.82	39.05	39.28	39.50	39.72	39.94	40.17	40.39	40.57	40.74	40.93	41.10
Max. power current (I _{mp}), A	08.71	08.85	08.94	09.00	09.06	09.13	08.90	08.98	09.06	09.14	09.21	09.28	09.35	09.42	09.49	09.57	09.65	09.73
Open circuit voltage (V _{oc}), V	39.42	39.62	39.65	39.80	40.19	40.51	47.62	47.92	48.22	48.52	48.82	49.12	49.41	49.69	49.78	49.87	49.87	49.87
Short circuit current (I _{sc}), A	09.50	09.56	09.68	09.71	09.75	09.82	09.50	09.56	09.62	09.68	09.74	09.80	09.87	09.93	09.99	10.05	10.11	10.17
Module efficiency (%)	17.59	17.90	18.21	18.52	18.83	19.14	17.85	18.11	18.37	18.62	18.88	19.14	19.40	19.66	19.92	20.18	20.44	20.70
NOCT (Wp) at 45 ± 2 °C @800 W/m²																		
P _{max} (W)	212.11	215.83	219.54	223.26	226.99	230.71	256.75	260.48	264.20	267.92	271.64	275.36	279.09	282.81	286.53	290.25	293.97	297.69
Max. power voltage (V _{mp}), V	29.99	30.04	30.22	30.54	30.79	31.07	35.50	35.71	35.92	36.12	36.32	36.52	36.74	36.94	37.10	37.26	37.43	37.59
Max. power current (I _{mp}), A	07.09	07.20	07.27	07.32	07.37	07.43	07.24	07.31	07.37	07.44	07.50	07.55	07.61	07.67	07.73	07.79	07.86	07.92
Open circuit voltage (V _{oc}), V	36.65	36.83	36.86	37.00	37.37	37.67	44.27	44.55	44.83	45.11	45.39	45.67	45.94	46.20	46.29	46.37	46.37	46.37
Short circuit current (I _{sc}), A	07.76	07.81	07.91	07.93	07.97	08.02	07.76	07.81	07.86	07.91	07.96	08.01	08.07	08.12	08.17	08.22	08.26	08.31

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	Mono	Mono PERC
Open circuit voltage	-0.323 % / °C	-0.28 % / °C
Short circuit current	+0.047 % / °C	+0.048 % / °C
Nominal power	-0.414 % / °C	-0.36 % / °C

Physical Parameters	285 Wp - 310 Wp	345 Wp - 400 Wp
No. of cells	60	72
Module dimension (mm)	1641 X 987 (± 2)	1958 X 987 (± 2)
Module thickness (mm)	35	35
Approximate weight (kg)	17.7	21.2

Packaging Configuration - 3S6	60	72
No. of Modules/pallet	29	29

Module Dimension Diagrams (mm)

