

Multi

Mono

Specialised



*Module images for representation purpose only

Solar PV Module

DESERV 3S6 or 3S6H

Mono / Mono PERC

60 Cells: 285 Wp - 310 Wp

72 Cells: 345 Wp - 380 Wp

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

Certifications:

- IEC Certified: 61215, 61730
- IEC TS 62804
- IEC 61701
- IEC 62716
- IEC 60068-2-68
- BIS Number R-63000760
- IEC 61853 (3S6 350 Wp)
- Independently audited by SOLARBUYER
- IMS Certified Company - ISO 9001: 2015 & OHSAS 18001:2007
- 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

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.

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.

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

	60 Cells						72 Cells							
DESERV 3S6 or 3S6H (Wp)	285	290	295	300	305	310	345	350	355	360	365	370	375	380
Rated power (P _{max}), Wp	285	290	295	300	305	310	345	350	355	360	365	370	375	380
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
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
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
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
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
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
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
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
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
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

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, 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	-0.28 % / °C
Short circuit current	+0.048 % / °C
Nominal power	-0.36 % / °C

Physical Parameters	285 Wp - 310 Wp	345 Wp - 380 Wp
No. of cells	60	72
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 - 3S6	60	72
No. of Modules/pallet	26 or 29	26 or 29

Module Dimension Diagrams (mm)

