

Multi **Mono** Specialised



\*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



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/m<sup>2</sup>, 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 <sub>max</sub> ), Wp	285	290	295	300	305	310	345	350	355	360	365	370	375	380	385	390	395	400	
Max. power voltage (V <sub>mp</sub> ), 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 <sub>mp</sub> ), 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 <sub>oc</sub> ), 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 <sub>sc</sub> ), 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	
<b>NOCT (Wp) at 45 ± 2 °C @800 W/m<sup>2</sup></b>																			
P <sub>max</sub> (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 <sub>mp</sub> ), 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 <sub>mp</sub> ), 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 <sub>oc</sub> ), 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 <sub>sc</sub> ), 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 <sup>2</sup> , (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	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
<b>Packaging Configuration - 3S6</b>		
No. of Modules/pallet	29	29

