

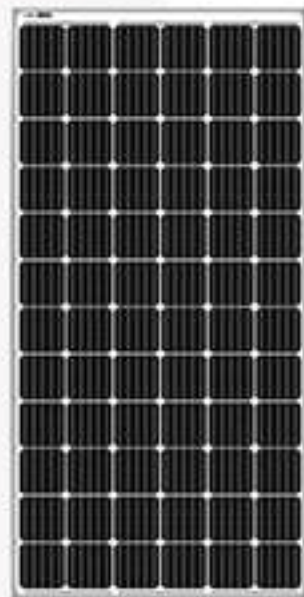


Renewsys is India first integrated solar cell and PV manufacturer, backed by 55 years of manufacturing excellence. Renewsys has two modern manufacturing plants in India at Hyderabad and Bengaluru, and aspires to be the first choice for solar PV Modules and its components worldwide

PRODUCT RANGE



DESERV : POLY - CRYSTALLINE
325 - 340 Wp



DESERV : MONO - PERC
380 - 400 Wp

KEY BENEFITS

- Positive Power Tolerance
- High quality multi connectors
- windspeed - 2400 Pa
- Snowload - 5400 Pa
- High quality Junction Box
- EVA & back sheet are manufactured at Renewsys's state-Of-the-art facility
- Made in India with highly reliable anti-reflective coated glass

PROJECT REFERENCE



| Uttar Pradesh



| Rajasthan

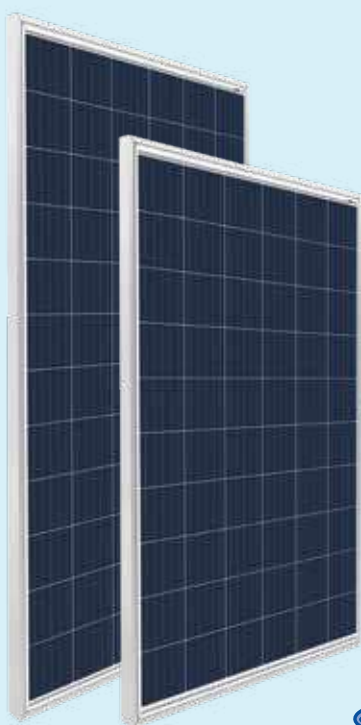


| Rajasthan & mp



| Andhra pradesh

Multi Mono Specialised



DESERV®

*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



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



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.

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

	60 Cells				72 Cells					
DESERV 3M6 or 3M6H (Wp)	260	265	270	275	315	320	325	330	335	340
Rated power (Pmax), Wp	260	265	270	275	315	320	325	330	335	340
Max. power voltage (Vmp), V	30.72	30.77	30.95	31.16	36.92	37.20	37.41	37.67	37.90	38.14
Max. power current (Imp), A	08.48	08.64	08.74	08.84	08.56	08.62	08.70	08.79	08.85	08.92
Open circuit voltage (Voc), V	38.40	38.46	38.70	38.97	46.15	46.18	46.21	46.24	46.27	46.30
Short circuit current (Isc), 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										
Pmax (W)	193.50	197.22	200.94	204.66	234.43	238.15	241.87	245.59	249.31	253.03
Max. power voltage (Vmp), V	28.09	28.14	28.30	28.49	33.76	34.02	34.21	34.45	34.66	34.88
Max. power current (Imp), A	06.90	07.03	07.11	07.19	06.97	07.01	07.08	07.15	07.20	07.26
Open circuit voltage (Voc), V	35.70	35.76	35.98	36.23	42.91	42.93	42.96	42.99	43.02	43.05
Short circuit current (Isc), A	07.21	07.35	07.46	07.47	07.29	07.41	07.51	07.60	07.69	07.79

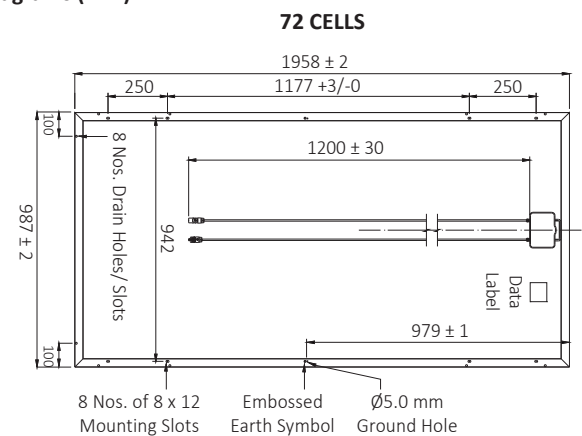
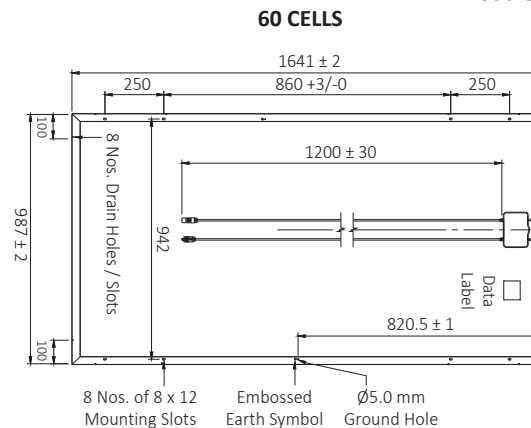
Mechanical Characteristics	60 & 72
Cable	No. 12 AWG, 4mm ² , (1.2m Standard)
PV Connectors	MC4 Connectors / MC4 Compatible
Frame	Anodized Aluminum Alloy
Junction box	IP67 Junction box with 4 rail (3 bypass diodes of 15 A)
Glass	3.2mm Thick low iron tempered (4mm available on request)

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	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 - 3M6		
	60	72
No. of Modules/pallet	27 or 29	27 or 29

Module Dimension Diagrams (mm)



Multi **Mono** Specialised



DESERV[®]

*Module images for representation purpose only

Solar PV Module DESERV 3S6 or 3S6H Mono PERC

Series G1

60 Cells: 315 Wp - 330 Wp

72 Cells: 380 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 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

Registered Office

98, Jolly Maker Chambers No.2,
225 Nariman Point,
Mumbai - 400 021,
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 3S6 or 3S6H (Wp)	60 Cells				72 Cells				
	315	320	325	330	380	385	390	395	400
Rated power (P _{max}), Wp	315	320	325	330	380	385	390	395	400
Max. power voltage (V _{mp}), V	33.65	33.80	33.95	34.02	40.39	40.57	40.74	40.83	41.08
Max. power current (I _{mp}), A	09.39	09.49	09.58	09.71	09.42	09.50	09.57	09.69	09.75
Open circuit voltage (V _{oc}), V	41.40	41.48	41.55	41.58	49.69	49.78	49.87	49.90	49.93
Short circuit current (I _{sc}), A	09.93	09.99	10.05	10.14	09.93	09.99	10.05	10.11	10.18
Module efficiency (%)	18.94	19.24	19.54	19.84	19.14	19.39	19.64	19.89	20.15
NOCT (Wp) at 45 ± 2 °C @800 W/m²									
P _{max} (W)	234.43	238.15	241.87	245.59	282.80	286.52	290.25	293.97	297.69
Max. power voltage (V _{mp}), V	30.77	30.91	31.04	31.11	36.93	37.10	37.25	37.34	37.57
Max. power current (I _{mp}), A	07.64	07.72	07.79	07.88	07.67	07.73	07.79	07.88	07.93
Open circuit voltage (V _{oc}), V	38.49	38.56	38.63	38.66	46.20	46.28	46.37	46.39	46.42
Short circuit current (I _{sc}), A	08.11	08.16	08.21	08.25	08.11	08.16	08.21	08.25	08.31

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	-0.36 % / °C
Short circuit current	+0.07 % / °C
Nominal power	-0.38 % / °C

Physical Parameters	315 Wp - 330 Wp	380 Wp - 400 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)

