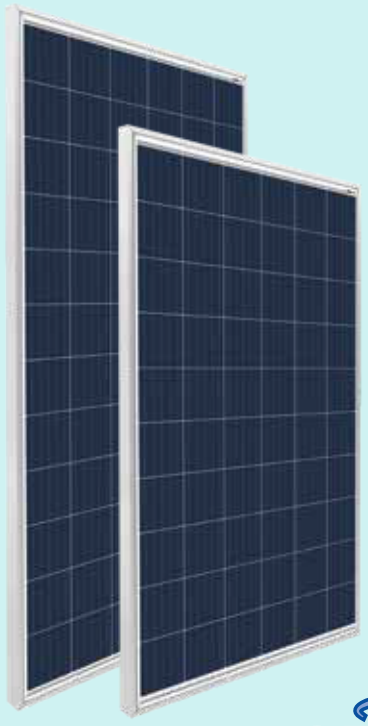
World-class products, Made in India

RenewSys®
let there be light

Multi Mono Specialised



DESERV®

*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.

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

Certifications:

- IEC Compliant
- Independently audited by SOLARBUYER
- IMS Certified Company - ISO 9001: 2015 & OHSAS 45001: 2018
- EMS - ISO 14001: 2015

CE 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.

RenewSys®
let there be light

DESERV®

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

	60 Cells				72 Cells				
DESERV 3M6 or 3M6H (Wp)	**270**	**275**	**280**	**285**	**325**	**330**	**335**	**340**	**345**
Rated power (Pmax), Wp	270	275	280	285	325	330	335	340	345
Max. power voltage (Vmp), V	30.95	31.16	31.37	31.58	37.41	37.67	37.90	38.14	38.21
Max. power current (Imp), A	08.74	08.84	08.94	09.04	08.70	08.79	08.85	08.92	09.07
Open circuit voltage (Voc), V	38.70	38.97	39.24	39.51	46.21	46.24	46.27	46.30	46.33
Short circuit current (Isc), 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 ºC @800 W/m²									
Pmax (W)	200.94	204.66	208.38	212.11	241.88	245.60	249.32	253.04	256.76
Max. power voltage (Vmp), V	28.31	28.50	28.69	28.88	34.21	34.45	34.66	34.88	34.95
Max. power current (Imp), A	07.11	7.20	07.28	07.36	07.08	07.15	07.20	07.26	07.38
Open circuit voltage (Voc), V	35.98	36.24	36.49	36.74	42.97	43.00	43.02	43.05	43.08
Short circuit current (Isc), 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, 4mm², (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, ºC	-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

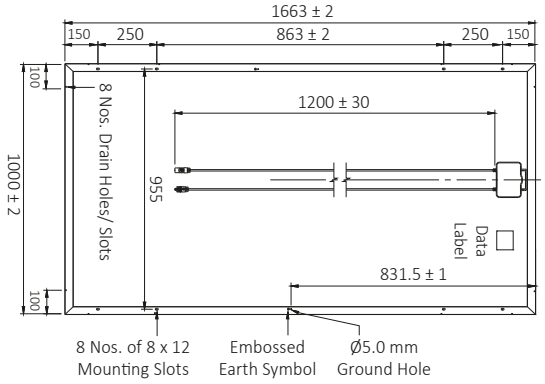
Cell Temperature Coefficient	**60 & 72**
Open circuit voltage	-0.30 % / ºC
Short circuit current	+0.05 % / ºC
Nominal power	-0.40 % / ºC

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

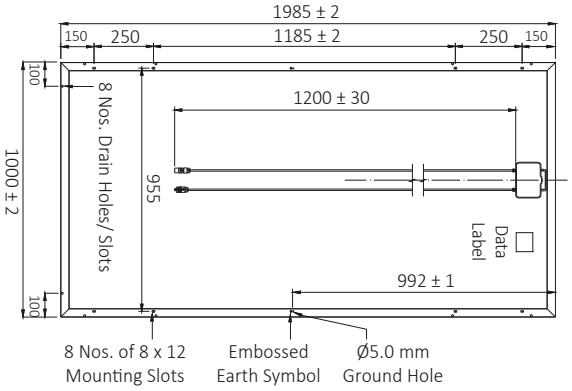
Packaging Configuration	**60**	**72**
No. of Modules/pallet	29	29

Module Dimension Diagrams (mm)

60 CELLS



72 CELLS



*Due to continuous product updation, specifications may change without notice. Kindly refer to the website for latest information: www.renewsysworld.com