

Multi Mono Specialised



DESERV[®]

*Module images for representation purpose only

Solar PV Module DESERV 3M6 or 3M6H

36 Cells: 140 Wp - 155 Wp

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

Certifications:

- IEC Compliant
- 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 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



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.

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

DESERV 3M6 (Wp)	140	145	150	155
Rated power (Pmax), Wp	140	145	150	155
Max. power voltage (Vmp), V	17.55	18.10	18.44	18.75
Max. power current (Imp), A	07.99	08.04	08.16	08.28
Open circuit voltage (Voc), V	22.21	22.43	22.79	23.05
Short circuit current (Isc), A	08.50	08.55	08.68	08.81
Module efficiency (%)	13.80	14.30	14.79	15.28
NOCT (Wp) at 45 ±2 °C @800 W/m²				
Pmax (W)	104.19	107.91	111.63	115.35
Max. power voltage (Vmp), V	16.05	16.55	16.86	17.14
Max. power current (Imp), A	06.50	06.54	06.64	06.74
Open circuit voltage (Voc), V	20.65	20.85	21.19	21.43
Short circuit current (Isc), A	06.94	06.98	07.09	07.20

Mechanical Characteristics	36 Cells
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	36 Cells
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	36 Cells
Open circuit voltage	-0.30 % / °C
Short circuit current	+0.05 % / °C
Nominal power	-0.40 % / °C

Physical Parameters	36 Cells
No. of cells	36
Module dimension (mm)	1024 X 990 (± 2)
Module thickness (mm)	40 or 35
Approximate weight (kg)	13 or 12.8

Packaging Configuration	36 Cells
No. of Modules/pallet	42 or 47

Module Dimension Diagram (mm)

