

Multi Mono Specialised



*Module images for representation purpose only

Solar PV Module DESERV C12

C12: 10 Wp - 125 Wp

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

*90 Wp available on request



SAFE

- IP67 Junction box
- 5 years of product warranty
- 10 Years of limited power output warranty
- 1000 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

Certifications:

- IEC Compliant
- 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

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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)

DESERV C12 (Wp)	10	20	40	50	80	100	125
Rated power (Pmax), Wp	10	20	40	50	80	100	125
Max. power voltage (Vmp), V	17.49	17.54	17.84	17.67	17.82	17.92	18.04
Max. power current (Imp), A	00.67	01.33	02.25	02.85	04.50	05.59	06.94
Open circuit voltage (Voc), V	21.46	21.51	21.95	21.67	21.82	21.92	22.08
Short circuit current (Isc), A	00.72	01.43	02.44	03.03	04.79	05.95	07.38
Module efficiency (%)	10.37	12.64	13.83	14.35	15.19	15.35	15.63
Physical Parameters							
Module dimension (mm)	281 X 343	461 X 343	438 X 660	528 X 660	798 X 660	987 X 660	1212 X 660
Module thickness (mm)	22	22	34	34	34	34	34
Matrix	18 X 2	18 X 2	9 X 4	9 X 4	9 X 4	9 X 4	9 X 4
Approximate weight (kg)	1.5	2.5	4.5	4.5	6.5	8.5	9.5

Mechanical Characteristics	C12
PV Connectors	MC4 Compatible (MC4/TYCO on request)
Frame	Anodized Aluminum Alloy
Junction box	IP67 Junction box with 3 rail (1 for 10 Wp - 20 Wp, 2 for 40 Wp - 125 Wp bypass diodes of 10 A)
Glass	3.2mm Thick low iron tempered (4mm available on request)

Operating Conditions	C12
Ambient temperature, °C	-40 to +85
Max. system voltage, Vdc	1000
Hail impact velocity, m/sec	23
Max. surface load capacity, Pa	5400
Max. wind speed capacity, Pa	2400

Cell Temperature Coefficient	C12
Open circuit voltage	-0.30 % / °C
Short circuit current	+0.05 % / °C
Nominal power	-0.40 % / °C

Packaging Configuration	10 Wp	20 Wp - 125 Wp
No. of Modules/pallet (*box)	11*	29

*Cable is optional. Please read the User Manual at the time of fixing cables to the connector.

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