

Multi

Mono

Specialised



DERV[®]

*Module images for representation purpose only

Solar PV Module DERV C12

C12: 40 Wp - 125 Wp

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

*10 Wp, 20 Wp, 90 Wp available on request

Certifications:

- IEC Compliant
- Independently audited by SOLARBUYER
- IMS Certified Company - ISO 9001: 2015 & OHSAS 18001: 2007
- EMS - ISO 14001: 2015



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

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

98, Jolly Maker Chambers No.2,
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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)	40	50	80	100	125
Rated power (Pmax), Wp	40	50	80	100	125
Max. power voltage (Vmp), V	17.84	17.67	17.82	17.92	18.04
Max. power current (Imp), A	02.25	02.85	04.50	05.59	06.94
Open circuit voltage (Voc), V	21.95	21.67	21.82	21.92	22.08
Short circuit current (Isc), A	02.44	03.03	04.79	05.95	07.38
Module efficiency (%)	13.83	14.35	15.19	15.35	15.63
Physical Parameters					
Module dimension (mm)	438 X 660	528 X 660	798 X 660	987 X 660	1212 X 660
Module thickness (mm)	34	34	34	34	34
Matrix	9 X 4	9 X 4	9 X 4	9 X 4	9 X 4
Approximate weight (kg)	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 (2 bypass diodes of 10 A)
Glass	3.2mm Thick low iron tempered (4mm available on request)

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

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

Packaging Configuration	C12
No. of Modules/pallet	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