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Solar Panel Guide Specification Data Sheet

RenewSys India Private Limited

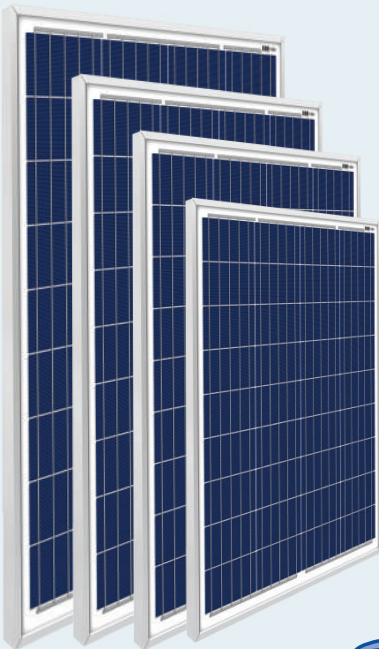
DESERV C12 40-125

DESERV C12 100

Also available on the web at

EnergyPal.com/renewsys-india-private-limited-solar-panels/deserv-c12-100

Multi Mono Specialised



*Module images for representation purpose only

Solar PV Module DESERV 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

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 Europe, USA, Mexico, and an evolving distributor network.

Registered Office
98, Jolly Maker Chambers No.2,
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Maharashtra, India

Factory
Plot No.6, Survey # 114/P,
Srinagar Village, Maheshwaram
Mandal, Dist - Rangareddy,
Hyderabad - 501 359, Telangana, India

Ideal for:



Residential



Commercial



Utility



Off-grid

- 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)

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	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