



C05 & C12-10/20/50/80/100/125

DESERV C Series consists of PV Modules with power ratings ranging from 5 Wp to 125 Wp. The high performance Poly-Crystalline Cells are designed for off-grid applications.

## KEY FEATURES

ISO 9001:2008/ Quality management system



Made in India



1000 V V<sub>dc</sub>



Positive power tolerance



PID resistant



Highly reliable Anti- reflective coated glass

10  
YEARS

Limited power output warranty



IEC Compliant

5  
YEARS

Product warranty

# COMMUNICA

*A World Of Electronics*

<b>Electrical characteristics</b>	<b>RENEW-5</b>	<b>RENEW-10</b>	<b>RENEW-20</b>	<b>RENEW-50</b>	<b>RENEW-80</b>	<b>RENEW-100</b>	<b>RENEW-125</b>
Rated power, Pmax (Wp)	5	10	20	50	80	100	125
Open circuit voltage, Voc (V)	10.73	21.46	21.51	21.67	21.82	21.92	22.08
Short circuit current, Isc (A)	0.72	0.72	1.43	3.03	4.79	5.95	7.38
Voltage at maximum power, Vmp (V)	8.75	17.49	17.54	17.67	17.82	17.92	18.04
Current at maximum power, Imp (V)	0.67	0.67	1.33	2.85	4.50	5.59	6.94
Module efficiency (%)	8.76%	9.73%	10.63%	13.82%	14.50%	13.60%	14.59%

<b>Mechanical parameters</b>	<b>RENEW-5</b>	<b>RENEW-10</b>	<b>RENEW-20</b>	<b>RENEW-50</b>	<b>RENEW-80</b>	<b>RENEW-100</b>	<b>RENEW-125</b>
Module dimension (mm)	423 x 135 x 21	423 x 243 x 21	774 x 243 x 21	559 x 659 x 34.5	837 x 659 x 34.5	1116 x 659 x 34.5	1300.5 x 659 x 34.5
Matrix	9 x 2	9 x 4	9 x 4	9 x 4	9 x 4	9 x 4	9 x 4
Solar cell type	Multi crystalline Silicon	Multi crystalline Silicon	Multi crystalline Silicon	Multi crystalline Silicon	Multi crystalline Silicon	Multi crystalline Silicon	Multi crystalline Silicon
Front cover	3.2mm Thick; Low Iron Tempered glass	3.2mm Thick; Low Iron Tempered glass	3.2mm Thick; Low Iron Tempered glass	3.2mm Thick; Low Iron Tempered glass	3.2mm Thick; Low Iron Tempered glass	3.2mm Thick; Low Iron Tempered glass	3.2mm Thick; Low Iron Tempered glass
Frame material	Silver Anodized Aluminium Alloy	Silver Anodized Aluminium Alloy	Silver Anodized Aluminium Alloy	Silver Anodized Aluminium Alloy	Silver Anodized Aluminium Alloy	Silver Anodized Aluminium Alloy	Silver Anodized Aluminium Alloy
Junction box	2 Rail	2 Rail	3 Rail	3 Rail	3 Rail	3 Rail	3 Rail