

**Prime 255 Wp to 265 Wp**  
**Multi Crystalline Silicon Modules**

DESERV PRIME Series consists of PV Modules with power ratings ranging from 255 Wp to 265 Wp. These high performance Multi-Crystalline Silicon Modules are designed for on-grid, as well as off-grid applications.

## KEY FEATURES



Made in India



1000 V<sub>dc</sub>



Positive power tolerance



PID resistant



Highly reliable Anti-reflective coated glass



Limited power output warranty



Windspeed - 2400 Pa  
 Snowload - 5400 Pa



Product warranty



IP67 Junction box



IEC Compliant - 61215, 61730

Independently Audited by



IMS Certified Company (ISO 9001: 2015, ISO 14001: 2015 & OHSAS 18001: 2007)

RenewSys has a global presence with offices in India, Mauritius, Nigeria, South Africa, Singapore, UAE, representatives in Europe, USA, and Mexico, and an evolving distributor network.



CONSERV®  
 E 360 - POE  
 Encapsulant

# RenewSys DESERV Prime 120 Cells

Performance under standard test conditions (1000w/m<sup>2</sup> am 1.5, 25° C)

DESERV Prime (Wp)	255	260	265
Rated power (Pmax), Wp	255	260	265
Max power voltage (Vmp), V	62.82	63.04	63.11
Max power current (Imp), A	04.06	04.15	04.22
Open circuit voltage (Voc), V	75.35	75.52	75.89
Short circuit current (Isc), A	04.41	04.52	04.58
Module efficiency (%)	15.29	15.59	15.89

NOCT (Wp)*	255	260	265
Pmax (W)	189.78	193.50	197.22
Max Power Voltage Vmp (V)	57.45	57.65	57.72
Max Power Current Imp (A)	03.30	03.38	03.43
Open Circuit Voltage Voc (V)	70.06	70.22	70.56
Short Circuit Current Isc (A)	03.60	03.69	03.74

## Operating Conditions

Ambient temperature, °C	-40 to +85
Maximum system voltage, Vdc	1000
Hail impact velocity, m/sec	23
Maximum surface load capacity, Pa	5400

## Cell Temperature Coefficients

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

## Physical Parameters

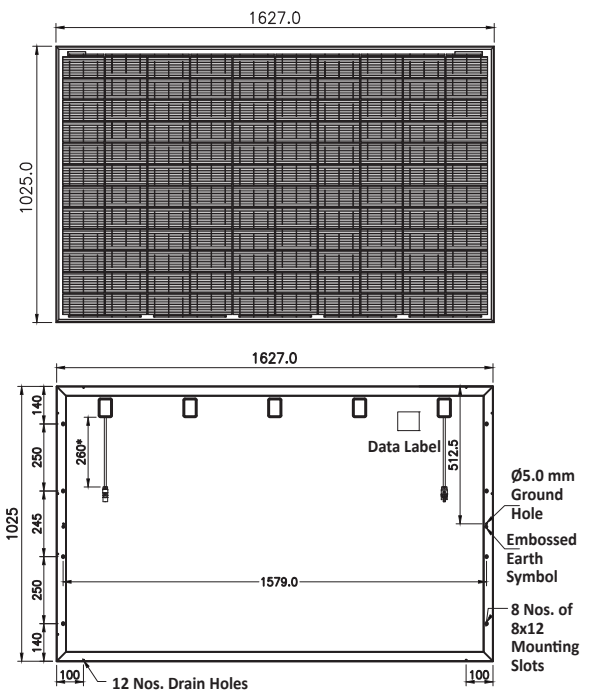
No. of cells	120
Module dimensions (mm)	1627 x 1025 (± 1.5)
Module thickness (mm)	40
Approximate weight (kg)	18.5

## Mechanical Characteristics

Cable	NO. 12 AWG, 4mm <sup>2</sup>
PV Connectors	MC4 Compatible (MC4/TYCO on request)
Frame	Silver Anodized Aluminum Alloy
Junction box	Split Junction Box
Glass	3.2mm Thick Low Iron Tempered

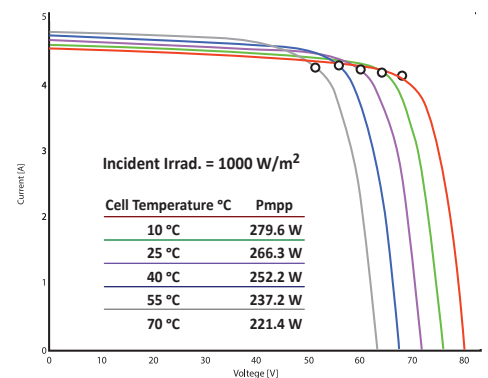
\*NOCT at 45 ± 2° C @irradiance 800 W/m<sup>2</sup>

## PV Module dimensions (mm)

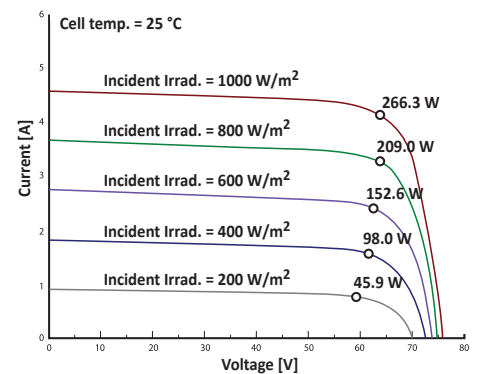


\* Cable length may vary based on requirements

## I-V Curves Cell temperature sensitivity chart



## I-V Curves Incident irradiance sensitivity chart



## Registered Office

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