



X-Prime - 320 Wp

Multi Crystalline Silicon Modules

DESERV X-PRIME Series consists of PV Modules with power ratings ranging from 320 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_{dc}



Positive power tolerance



PID resistant



Highly reliable anti-reflective coated glass

25
YEARS

Limited power output warranty



Windspeed - 2400 Pa

Snowload - 5400 Pa

10
YEARS

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 X-Prime 144 Cells

Performance under standard test conditions (1000w/m² am 1.5, 25° C)

DESERV X-PRIME (Wp)	320
Rated power (Pmax), Wp	320
Max power voltage (Vmp), V	76.13
Max power current (Imp), A	04.23
Open circuit voltage (Voc), V	91.72
Short circuit current (Isc), A	04.50
Module efficiency (%)	16.17

NOCT (Wp)*	320
Pmax (W)	238.15
Max Power Voltage Vmp (V)	69.62
Max Power Current Imp (A)	03.44
Open Circuit Voltage Voc (V)	85.28
Short Circuit Current Isc (A)	03.67

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

Physical Parameters	
No. of cells	144
Module dimensions (mm)	1021 x 1938 (± 1.5)
Module thickness (mm)	40
Approximate weight (kg)	21.5

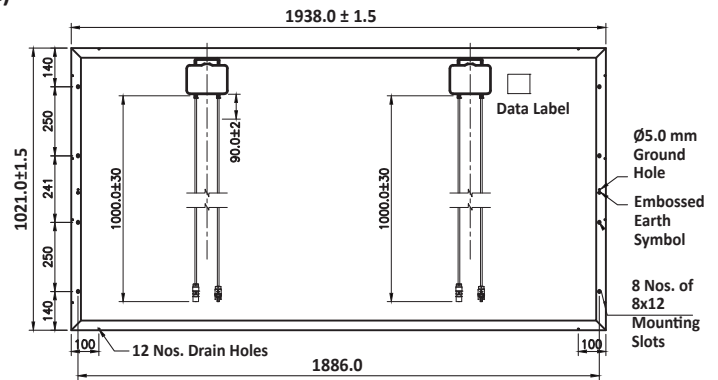
Mechanical Characteristics	
Cable	NO. 12 AWG, 4mm ²
PV Connectors	MC4 Compatible (MC4/TYCO on request)
Frame	Anodized Aluminum Alloy
Junction box	IP67 Junction box with 4 Rail x 2
Glass	3.2mmThick Low Iron Tempered

*NOCT at 45 ± 2° C @irradiance 800 W/m²

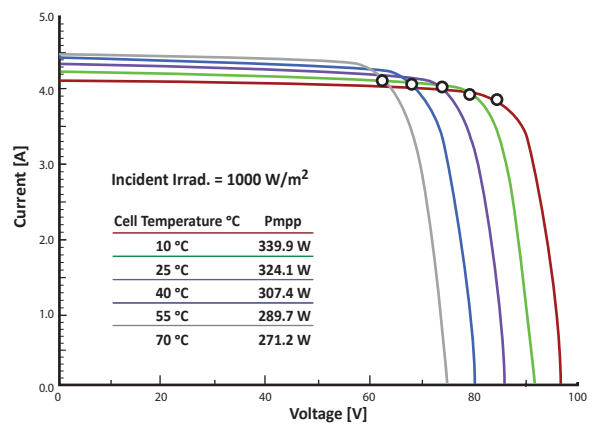
Registered Office

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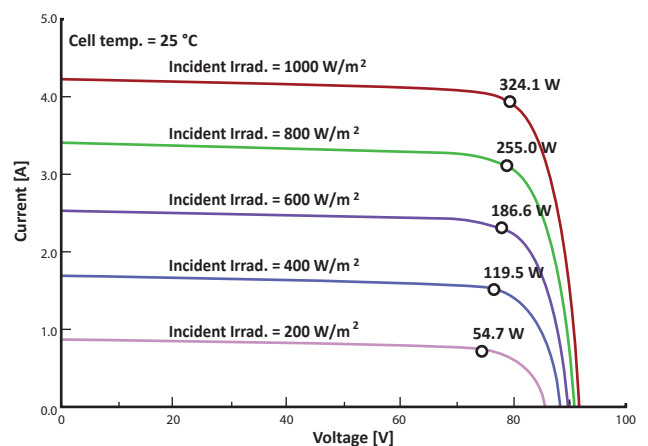
PV Module dimensions (mm)



I-V Curves Cell temperature sensitivity chart



I-V Curves Incident irradiance sensitivity chart



Factory

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