

Multi Mono **Specialised**



*Module images for representation purpose only

Solar PV Module DESERV Prime & X-Prime

Prime 270 Wp - 285 Wp: 63 V
X-Prime 320 Wp - 345 Wp: 76 V

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

Prime and X-Prime are specially designed high voltage PV Modules with Multi Crystalline Silicon Cells.



SAFE



IP67 Junction box



10 years of product warranty



25 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

Certifications:

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



Independently Audited by
 SOLARBUYER

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

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Factory

Plot No.6, Survey # 114/P,
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)

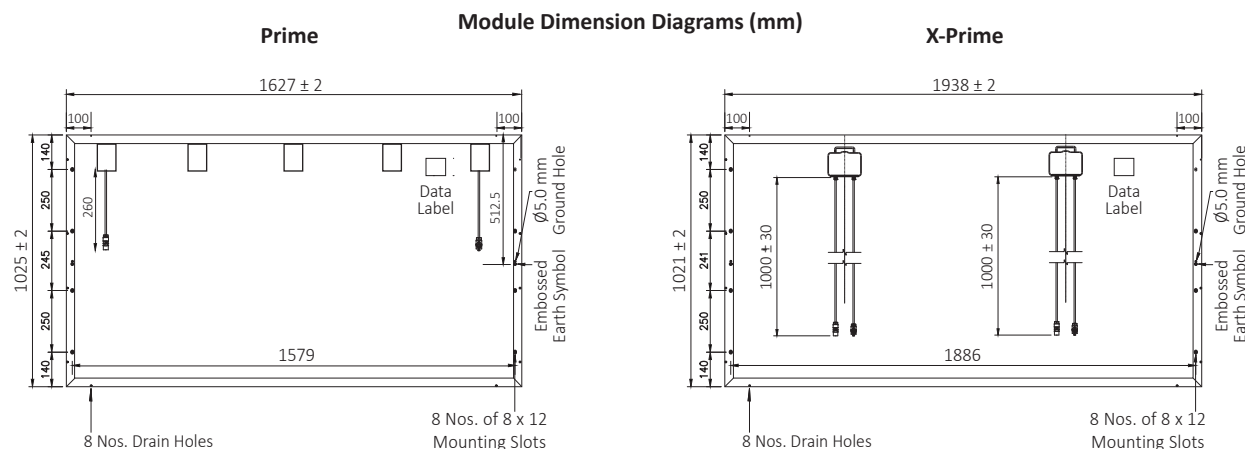
	Prime				X-Prime					
DESERV (Wp)	270	275	280	285	320	325	330	335	340	345
Rated power (P _{max}), Wp	270	275	280	285	320	325	330	335	340	345
Max. power voltage (V _{mp}), V	63.28	63.44	63.55	63.64	76.13	76.52	76.81	76.92	77.14	77.25
Max. power current (I _{mp}), A	04.28	04.34	04.41	04.48	04.23	04.28	04.32	04.36	04.41	04.47
Open circuit voltage (V _{oc}), V	76.18	76.45	76.50	76.57	91.72	91.81	91.93	91.98	92.04	92.08
Short circuit current (I _{sc}), A	04.63	04.68	04.75	04.78	04.50	04.65	04.69	04.72	04.76	04.82
Module efficiency (%)	16.19	16.49	16.78	17.08	16.17	16.42	16.68	16.93	17.18	17.44
NOCT (Wp) at 45 ± 2 °C @800 W/m²	270	275	280	285	320	325	330	335	340	345
P _{max} (W)	200.94	204.66	208.38	212.10	238.15	241.88	245.60	249.32	253.03	256.75
Max. power voltage (V _{mp}), V	57.87	58.02	58.12	58.20	69.62	69.98	70.25	70.35	70.55	70.65
Max. power current (I _{mp}), A	03.48	03.53	03.58	03.64	03.44	03.48	03.52	03.55	03.58	03.63
Open circuit voltage (V _{oc}), V	70.83	71.08	71.13	71.19	85.28	85.37	85.48	84.81	85.58	85.61
Short circuit current (I _{sc}), A	03.78	03.82	03.85	03.90	03.67	03.80	03.83	03.86	03.88	03.93

Mechanical Characteristics	Prime & X-Prime
Cable	No. 12 AWG, 4mm ²
PV Connectors	MC4 Compatible (MC4/TYCO on request)
Frame	Anodized Aluminum Alloy
Junction box	Prime: IP67 Split Junction box X-Prime: IP67 Junction box with 4 rail X 2 Nos.
Glass	3.2mm Thick low iron tempered

Operating Conditions	Prime & X-Prime
Ambient temperature, °C	-40 to +85
Max. system voltage, V _{dc}	1000
Hail impact velocity, m/sec	23
Max. surface load capacity, Pa	5400
Max. wind speed capacity, Pa	2400

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

Physical Parameters	Prime	X-Prime
No. of cells	120	144
Module dimension (mm)	1025 X 1627 (± 2)	1021 X 1938 (± 2)
Module thickness (mm)	40 or 35	40 or 35
Approximate weight (kg)	18.5 or 18.2	21.5 or 21.2
Packaging Configuration	Prime	X-Prime
No. of Modules/pallet	26 or 29	26 or 29



*Cable length may vary based on requirements

*Due to continuous product updation, specifications may change without notice. Kindly refer to the website for latest information: www.renewsysworld.com