

**HIGH
VOLTAGE
75 V**

DESERV™
X-Prime – 300 Wp

DESERV X-PRIME Series consists of PV Modules with power ratings ranging from 300 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 V_{dc}



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



CONSERV®
E 360 - POE
Encapsulant

**PERFORMANCE UNDER STANDARD TEST CONDITIONS
(1000W/m² AM 1.5, 25°C)**

	DESERV X-PRIME - 300Wp
RATED POWER (P _{max}), Wp	300
MAX POWER VOLTAGE (V _{mp}), V	75.17
MAX POWER CURRENT (I _{mp}), A	4.03
OPEN CIRCUIT VOLTAGE (V _{oc}), V	91.67
SHORT CIRCUIT CURRENT (I _{sc}), A	4.20
MODULE EFFICIENCY (%)	15.19

OPERATING CONDITIONS

AMBIENT TEMPERATURE, °C	-40 to +85
MAXIMUM SYSTEM VOLTAGE, V _{dc}	1000
HAIL IMPACT VELOCITY, m/sec	23
MAXIMUM SURFACE LOAD CAPACITY, Pascals	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	144
MODULE DIMENSIONS (mm)	1934 X 1021
MODULE THICKNESS (mm)	40
APPROXIMATE WEIGHT (kg)	21.5

MECHANICAL CHARACTERISTICS

CABLE	NO. 12 AWG, 4mm ²
PV CONNECTORS	MC4/MC4 (COMPATIBLE)/TYCO
FRAME	ANODIZED ALUMINUM ALLOY
JUNCTION BOX	IP67 JUNCTION BOX WITH 4 RAIL X 2
GLASS	3.2mm Thick; Low Iron Tempered glass

NOCT 300Wp

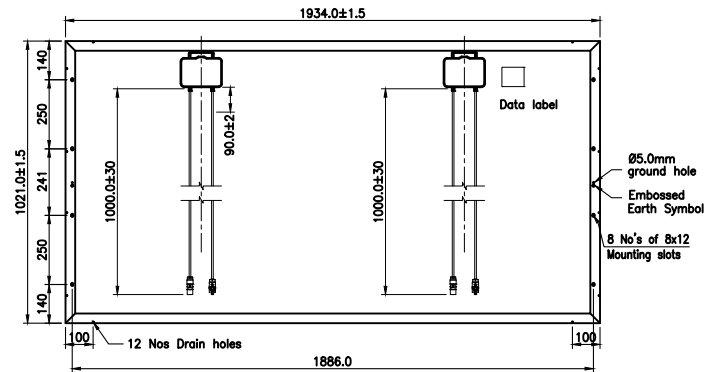
P _{max} (W)	223.27
Voltage V _{max} V _{mpp} (V)	68.75
Current I _{max} I _{mp} (A)	3.28
Open Circuit Voltage V _{oc} (V)	85.24
Short Circuit Current I _{sc} (A)	3.43

Registered Office

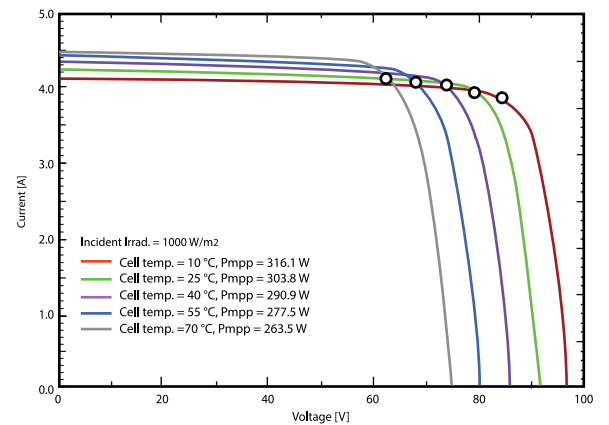
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144 CELLS PV SOLAR MODULE DIMENSIONS



DESERV X-PRIME 300 Wp: PV Modules



DESERV X-PRIME 300 Wp: PV Modules

