

**HIGH
VOLTAGE
76 V**



X-Prime – 320 Wp

DESERV C144 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 V_{dc}



Positive power tolerance



PID resistant



Highly reliable anti-reflective coated glass

10
YEARS

Limited power output warranty



Windspeed - 2400 Pa
Snowload - 5400 Pa

05
YEARS

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 - 320Wp
Rated power (Pmax), Wp	320
Max power voltage (Vmp), V	76.13
Max power current (Imp), A	4.23
Open circuit voltage (Voc), V	91.72
Short circuit current (Isc), A	4.50
Module efficiency (%)	16.20

OPERATING CONDITIONS

Ambient temperature, °C	-40 to +85
Maximum system voltage, Vdc	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)	1021 X 1934
Module thickness (mm)	40
Approximate weight (kg)	21.5

MECHANICAL CHARACTERISTICS

Cable	No. 12 AWG, 4mm²
PV connectors	MC4/MC4 (Compatible)/TYCO
Frame	Silver Anodized Aluminium Alloy
Junction box	IP67 Junction Box With 4 Rail X 2
Glass	3.2mm Thick; Low Iron Tempered Glass

NOCT X-PRIME - 320Wp

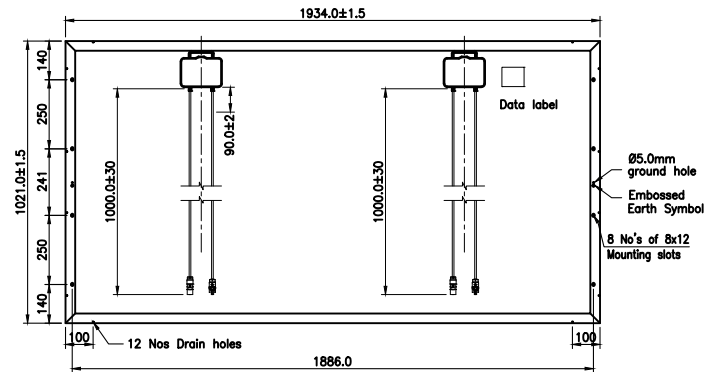
Rated power (Pmax), Wp	238.15
Max power voltage (Vmp), V	69.63
Max power current (Imp), A	3.44
Open circuit voltage (Voc), V	85.28
Short circuit current (Isc), A	3.68

Registered Office

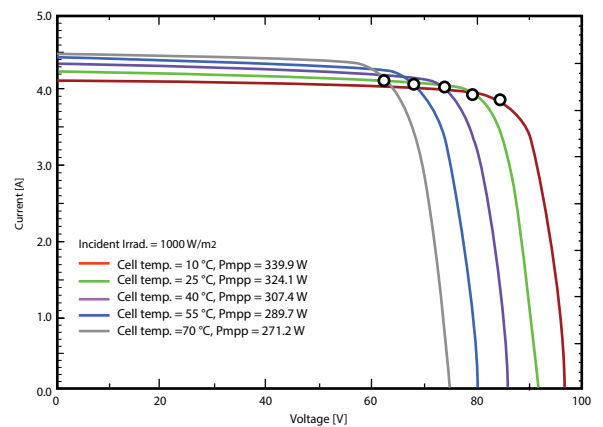
Unit 4, Stuart 2 Business Park, 4 Hilda Avenue, Hennospark, Centurion, 0046

sales@drivedynamics.co.za | drivedynamics.co.za

144 CELLS PV SOLAR MODULE DIMENSIONS



DESERV X-PRIME 320: PV Modules



DESERV X-PRIME 320: PV Modules

