



PROUDLY, TRULY INDIAN.





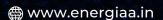
# **ENERGIAA-X SERIES ON GRID SOLAR INVERTER**

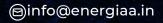
3 KW

5 KW

1-PHASE

- Proudly designed and made in India by Statcon Energiaa
- · Low current distortion for enhanced efficiency
- Robust anti-islanding feature ensures safety
- Advanced MPPT algorithm maximizes solar energy harvest
- Compact, attractive, lightweight design easy installation
- Data stored securely on Indian servers for privacy and security





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## **TECHNICAL SPECIFICATIONS - ENERGIAA X3**

RATINGS	3 KW
Model No.	ENERGIAA X3
Input Data (DC)	<u> </u>
Max. recommended PV power	3.3 KW
Max DC Voltage	450 V
Start Voltage	100 V
Nominal Voltage	380 V
MPPT Voltage Range	100-450 V
No. of MPPT Channel	1
No. of PV string per MPPT Channel	1
Max. Input Current per MPPT Channel	13 A
Max. short-circuit current per MPPT Channel	19 A
Output Data (AC)	
AC nominal Power	3 KW
Max. AC apparent power	3 KVA
Nominal AC Voltage (range)	230 V (180-265 V)
AC grid frequency (range)	50Hz (47.5- 52.5 Hz.)
Max. output current	13.0 A
Power factor	UNITY
THDi	< 3% *
AC Grid Connection Type	Single Phase
Efficiency	
MPPT efficiency	> 99.5%
Max. efficiency	> 97.5%
Protection	<u> </u>
Grid Monitoring	YES
Anti-islanding	YES
Differential Current monitoring	YES
AC Short Circuit protection	YES
DC surge protection	YES
Insulation resistance monitoring	YES
AC surge protection	YES
General Data	
Dimension (W/H/D)	282/317/190 mm ±2mm
Weight	7.45 Kg
Operating Temperature Range	-25 to +55 deg. celcius
Night time power consumption	<1 W
Topology	Transformerless
Cooling	Natural Convection
Protection degree	IP65
Relative Humidity	0-100%
DC connection	MC4
AC connection	Connector
Display	16 X 2 LCD
Interface	RS-485/Wifi
Warranty	60 months**/ 5 years**



## **APPLICATIONS**



Small Clinics



Gyms



Residences



**Small Offices** 



## **KEY FEATURES:**

- Low current distortion factor
- Immune to grid disturbance
- Advanced MPPT for higher solar generation
- Wide-range PV voltage support
- · Advanced PLL for seamless grid-interactive mode
- · Remote monitoring system with WIFI
- · Transformer-less technology
- · Earth fault protection
- · Easy Plug-and-Play installation
- · Grid and PV side lightning arrestor
- · Robust anti-islanding feature

## **ABOUT US:**

A trusted brand in Power Electronics for 36+ years, Statcon Energiaa makes the largest number of, and widest range of, Solar Inverters and Energy Storage Systems in India (1-250 kVA). Our solar inverters are known for top-class quality, robustness, feature-richness and high performance. What you get is a seamless power experience!

Statcon Energiaa Pvt. Ltd. reserves the right to modify or withdraw any of the ratings or technical specifications.

<sup>\*</sup>As per IEC 61727 standards
\*\*Warranty period and T&Cs as per the Warranty Card supplied along with the product.