



# ENERGIAAX3

PROUDLY, TRULY INDIAN.



## ENERGIAA-X SERIES ON-GRID SOLAR INVERTER

**3 KW SINGLE 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



# ENERGIAA X3 ON-GRID SOLAR INVERTER

## TECHNICAL SPECIFICATIONS

RATINGS	3 KW
Model No.	ENERGIAA X3
<b>Input Data (DC)</b>	
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
<b>Output Data (AC)</b>	
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
<b>Efficiency</b>	
MPPT efficiency	> 99.5%
Max. efficiency	> 97.5%
<b>Protection</b>	
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
<b>General Data</b>	
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	96 months*** / 8 years***

\*Can overload upto 20%

\*\*\*This product is compliant with BIS, EMI-EMC and IEC standards (IEC 62116 & 61727, IEC 60068-2 (1,2,14,30), IEC 61683)

\*\*\*Warranty period and T&Cs as per the Warranty Card supplied along with the product.

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

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## APPLICATIONS



Homes



Shops



Small Clinics



Small Offices



Gyms



## 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!

