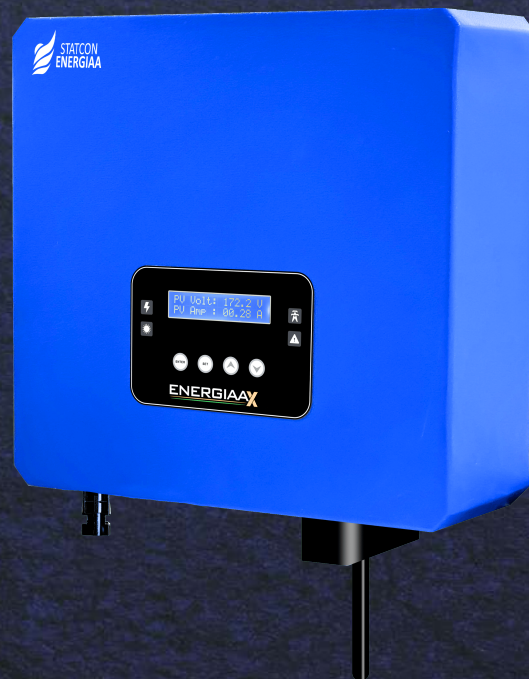


# ENERGIAAX

PROUDLY, TRULY INDIAN.



## ENERGIAA-X SERIES ON-GRID SOLAR INVERTER

**3 KW**

**5.5 KW**

**SINGLE PHASE**

- Proudly designed and made in India by Statcon Energiaa
- Compatible with latest high efficiency TOPCON PV modules
- 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



BIS Approved





# ENERGIAAX ON-GRID SOLAR INVERTER

## TECHNICAL SPECIFICATIONS

RATINGS	5.5 KW	3 KW	3 KW
Model No.	Energiaa X5.5T	Energiaa X3T	Energiaa X3
<b>Input Data (DC)</b>			
Max. rated PV power	6.6 KW	3.6 KW	3.6 KW
Max DC Voltage	550 V	450 V	450 V
Start Voltage	100 V	100 V	100 V
Nominal Voltage	380 V	380 V	380 V
MPPT Voltage Range	100-550 V	100-450 V	100-450 V
No. of MPPT Channel	1	1	1
No. of PV string per MPPT Channel	1	1	1
Max. Input Current per MPPT Channel	21 A	16 A	13 A
Max. short-circuit Current per MPPT Channel	30 A	24 A	19 A
<b>Output Data (AC)</b>			
AC nominal Power	5.5 KW	3 KW	3 KW
Max. AC apparent power	5.5 KVA	3 KVA	3 KVA
Nominal AC Voltage (range)	230 V (180-265 V)	230 V (180-265 V)	230 V (180-265 V)
AC grid frequency (range)	50Hz. (47.5- 52.5 Hz.)	50Hz. (47.5- 52.5 Hz.)	50Hz (47.5- 52.5 Hz.)
Max. output current	24 A	13 A	13 A
Power factor	UNITY	UNITY	UNITY
THDi	< 3% **	< 3% **	< 3% **
AC Grid Connection Type	Single Phase	Single Phase	Single Phase
<b>Efficiency</b>			
MPPT efficiency	> 99.5%	> 99.5%	> 99.5%
Max. efficiency	> 97.5%	> 97.5%	> 97.5%
<b>Protection</b>			
Grid Monitoring	YES	YES	YES
Anti-islanding	YES	YES	YES
Differential Current monitoring	YES	YES	YES
AC Short Circuit protection	YES	YES	YES
DC surge protection	YES	YES	YES
Insulation resistance monitoring	YES	YES	YES
Anti-islanding timer	YES	YES	YES
Export Control	YES	YES	YES
AC surge protection	YES	YES	YES
<b>Safety Parameters on display</b>			
Over voltage, Under voltage, Over frequency, Under frequency, Idle start of and anti islanding (60 seconds)			
<b>General Data</b>			
Zero Export Feature	Available	Available	Available
Dimension (W/H/D)	375/350/190 mm ±2mm	282/317/190 mm ±2mm	282/317/190 mm ±2mm
Weight	11.8 Kg	7.45 Kg	7.45 Kg
Operating Temperature Range	-25 to +60 deg. celsius	-25 to +55 deg. celsius	-25 to +55 deg. celsius
Night time power consumption	< 1 W	< 1 W	< 1 W
Topology	Transformerless	Transformerless	Transformerless
Cooling	Natural Convection	Natural Convection	Natural Convection
Ingress Protection	IP65	IP65	IP65
Relative Humidity	0-100%	0-100%	0-100%
DC connection	MC4	MC4	MC4
AC connection	Connector	Connector	Connector
Display	16 X 2 LCD	16 X 2 LCD	16 X 2 LCD
Interface	RS-485/Wifi	RS-485/Wifi	RS-485/Wifi
Warranty	96 months*** / 8 years***	96 months*** / 8 years***	96 months*** / 8 years***

\*\*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.

**For Distributorship Enquiries: +91 7042859888, Toll Free No. 1800-891-3319, Landline: 0120-4088600**



## 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 arrester
- 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!

